CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Apr. 10	Springfield, Mass.	Mar. 23
Apr. 11	Colman, S. D.	Mar. 30
Apr. 12	San Francisco, Cal.	Mar. 9
Apr. 12	Cleveland, O.	Mar. 23
Apr. 13	Buffalo, N. Y.	Apr. 6
Apr. 13	Groton, S. D.	Apr. 6
Apr. 14	Spring Green, Wis.	Mar. 23
Apr. 17	Port Huron, Mich. Adv. Apr. 6.	Apr. 6
Apr. 18	Lexington, N. C.	Mar. 23
Apr. 25	De Smet, S. D.	Apr. 6

SEWERS

Apr. 10	Los Angeles, Cal.	Feb. 16
Apr. 10	Madison, N. J. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 10	Detroit, Mich.	Apr. 6
Apr. 11	Jersey City, N. J. Adv. Mar. 30 and Apr. 6.	Apr. 6
Apr. 12	Brooklyn, N. Y.	Apr. 6
Apr. 12	Long Island City, N. Y.	Apr. 6
Apr. 12	Kewaskum, Wis.	Apr. 6
Apr. 13	Warren, O.	Mar. 30
Apr. 13	Norfolk, Va.	Apr. 6
Apr. 14	Dinuba, Cal.	Mar. 30
Apr. 14	Walhalla, S. C.	Mar. 30
Apr. 17	Ames, Ia.	Mar. 16
Apr. 17	Wash., D. C. Adv. Apr. 6.	Apr. 6
Apr. 18	Hartford, Wis.	Apr. 6
Apr. 18	Jersey City, N. J.	Mar. 23
Apr. 18	Paterson, N. J.	Mar. 30
Apr. 20	South Norfolk, Va. Adv. Apr. 6.	Apr. 6
Apr. 25	De Smet, S. D.	Apr. 6
May 1	Decatur, Ill. Adv. Apr. 6.	Apr. 6

BRIDGES

Apr. 10	Shadesville, O.	Mar. 16
Apr. 11	Alabama	Mar. 16
Apr. 11	Lake Charles, La. Adv. Mar. 23 to Apr. 6.	Mar. 23
Apr. 11	Alabama	Mar. 30
Apr. 17	Victoria, B. C. Adv. Mar. 23 to Apr. 6.	Mar. 23
Apr. 17	Galveston, Tex.	Mar. 30
Apr. 18	Pensacola, Fla.	Mar. 23
Apr. 18	Raymond, Wash.	Mar. 23
Apr. 18	Media, Pa. Adv. Apr. 6.	Apr. 6
Apr. 19	Corydon, Ia.	Apr. 6
Apr. 25	Cincinnati, O.	Apr. 6
Oct. 31	Sydney, Australia	Jan. 12

DAMS

Apr. 20	Columbus, O.	Mar. 23
Apr. 22	Clarksburg, W. Va.	Mar. 23
Apr. 25	Culbertson, Neb. Adv. Mar. 30 and Apr. 6.	Mar. 30
May 12	Highland Park (Joliet P. O.), Ill.	Mar. 30

RAILWAYS

Apr. 12	California	Apr. 6

EXCAVATION AND DREDGING

Apr. 10	Ontario Adv. Mar. 9 to Apr. 6.	Mar. 9
Apr. 12	Jupiter, Fla.	Apr. 6
Apr. 12	Worthington, Minn.	Apr. 6
Apr. 14	Algona, Ia.	Apr. 6
Apr. 14	Norfolk, Va.	Apr. 6
Apr. 14	Racine, Wis.	Apr. 6
Apr. 18	Rochester, N. Y. Adv. Mar. 23 to Apr. 6.	Mar. 23
Apr. 24	Tampa, Fla.	Apr. 6
May 10	Eudora, Ark. Adv. Mar. 30 and Apr. 6.	Apr. 6

STREETS AND ROADS

Apr. 10	Hinton, W. Va.	Mar. 16
Apr. 10	Salem, N. J. Adv. Mar. 16 to Apr. 6.	Mar. 16
Apr. 10	Hastings, Minn.	Mar. 23
Apr. 10	Syracuse, N. Y.	Mar. 30
Apr. 10	Camden, N. J. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 10	California	Mar. 30
Apr. 10	Bushnell, Fla.	Mar. 30
Apr. 10	Pine City, Minn.	Mar. 30
Apr. 10	Appleton, Wis.	Mar. 30
Apr. 10	Casper, Wyo.	Mar. 30
Apr. 10	Chehalis, Wash.	Mar. 30
Apr. 10	Oakland, Cal.	Mar. 30
Apr. 10	Ohio	Apr. 6
Apr. 10	Garfield Heights (Cleveland P. O.), O.	Apr. 6
Apr. 10	Manchester, Conn.	Apr. 6
Apr. 10	Norfolk, Va.	Apr. 6
Apr. 11	Bucyrus, O.	Apr. 6
Apr. 11	Maryland Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 11	Southern Pines, N. C.	Mar. 16
Apr. 11	Meadville, Pa. Adv. Mar. 23 to Apr. 6.	Mar. 23
Apr. 11	Michigan	Mar. 30
Apr. 11	Columbus, O.	Mar. 30
Apr. 11	Ocala, Fla.	Mar. 30
Apr. 11	Allendale, S. C.	Mar. 30
Apr. 11	Massachusetts	Apr. 6
Apr. 11	Ft. Dodge, Ia.	Apr. 6
Apr. 11	Tampa, Fla.	Apr. 6
Apr. 11	Waukesha, Wis.	Apr. 6
Apr. 11	St. George, S. I., N. Y.	Apr. 6
Apr. 11	Michigan	Apr. 6
Apr. 12	Marked Tree, Ark.	Mar. 23
Apr. 12	Freehold, N. J. Adv. Mar. 23 to Apr. 6.	Mar. 30
Apr. 12	Minster, O.	Mar. 30
Apr. 12	Decatur, Ala.	Mar. 30
Apr. 12	Michigan	Apr. 6
Apr. 12	Waynesville, N. C.	Apr. 6
Apr. 12	Elkhorn, Wis.	Apr. 6
Apr. 12	Wauwatosa, Wis.	Apr. 6
Apr. 12	Nevada	Apr. 6
Apr. 13	Michigan	Apr. 6
Apr. 13	Abilene, Kan.	Mar. 16
Apr. 13	Missouri	Mar. 30
Apr. 13	Bridgeton, N. J.	Mar. 30
Apr. 14	Tennessee	Mar. 23
Apr. 14	Madison, Wis.	Mar. 23
Apr. 14	Toms River, N. J. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 14	Morristown, N. J. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 14	Missouri	Mar. 30
Apr. 14	Tennessee	Mar. 30
Apr. 14	New York Adv. Apr. 6.	Apr. 6
Apr. 14	Michigan	Apr. 6
Apr. 14	Watervliet, N. Y.	Apr. 6
Apr. 14	Tacoma, Wash.	Apr. 6
Apr. 14	Ohio	Apr. 6
Apr. 15	Ebensburg, Pa.	Mar. 30
Apr. 15	Kissimmee, Fla.	Apr. 6
Apr. 15	Scottsburg, Ind.	Apr. 6
Apr. 17	Johnstown, N. Y.	Mar. 30
Apr. 17	Sterling, Col.	Mar. 23
Apr. 17	Ebensburg, Pa.	Mar. 30
Apr. 17	Everett, Wash.	Mar. 30
Apr. 17	California	Mar. 30
Apr. 17	Louisiana	Apr. 6
Apr. 17	Kingsville, Ont.	Apr. 6
Apr. 18	Missouri	Apr. 6
Apr. 18	Woodbury, N. J. Adv. Mar. 30 and Apr. 6.	Apr. 6
Apr. 18	Auburn, N. Y. Adv. Apr. 6.	Apr. 6
Apr. 18	Pennsylvania Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 18	Washington	Mar. 23
Apr. 18	Bound Brook, N. J.	Mar. 30
Apr. 18	Longueil, Que.	Mar. 30
Apr. 18	Orlando, Fla.	Mar. 30
Apr. 18	Somerville, N. J. Adv. Mar. 23 to Apr. 6.	Mar. 30
Apr. 18	Mankato, Minn.	Apr 6
Apr. 18	Maryland Adv. Apr. 6.	Apr. 6
Apr. 18	Ft. Wayne, Ind.	Apr. 6
Apr. 18	Beaufort, S. C.	Apr. 6
Apr. 18	Williston, Fla.	Apr. 6
Apr. 18	Ohio	Apr. 6
Apr. 19	Pennsylvania Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 19	Preston, Minn.	Mar. 23
Apr. 19	Danville, Ill. Adv. Apr. 6.	Apr. 6
Apr. 19	Cleveland, Tenn. Adv. Apr. 6.	Apr. 6
Apr. 19	Owatonna, Minn.	Apr. 6
Apr. 19	Michigan	Apr. 6
Apr. 20	Valdosta, Ga.	Mar. 30
Apr. 21	Michigan	Apr. 6
Apr. 21	Hutchinson, Kan.	Mar. 30
Apr. 21	Tennessee	Apr. 6
Apr. 21	Missouri	Apr. 6
Apr. 21	Ebensburg, Pa.	Apr. 6
Apr. 21	Wauwatosa, Wis.	Apr. 6
Apr. 24	Minneapolis, Minn.	Mar. 23
Apr. 24	Tampa, Fla. Adv. Mar. 23 to Apr. 6.	Mar. 30
Apr. 24	St. Paul, Minn.	Apr. 6
Apr. 24	Franklin, Pa. Adv. Apr. 6.	Apr. 6
Apr. 24	California	Apr. 6
Apr. 25	North Carolina Adv. Apr. 6.	Apr. 6
Apr. 27	Tavares, Fla.	Apr. 6
Apr. 28	Mt. Holly, N. J. Adv. Apr. 6.	Apr. 6
May 1	Fairport, N. Y.	Mar. 23
May 1	Minneapolis, Minn.	Apr. 6

INDUSTRIAL WORK

Apr. 8	Erie, Pa.	Apr. 6
Apr. 12	St. Louis, Mo.	Apr. 6
Apr. 14	St. Louis, Mo.	Apr. 6
Apr. 15	Rockford, Ill.	Apr. 6
Apr. 25	Syracuse, N. Y. Adv. Apr. 6.	Apr. 6

BUILDINGS

Apr. 8	Cresson, Pa.	Apr. 6
Apr. 10	Columbia, Mo.	Mar. 16
Apr. 10	Fairmont, W. Va.	Mar. 30
Apr. 10	Watertown, N. Y.	Mar. 30
Apr. 10	North Manchester, Ind.	Mar. 30
Apr. 10	Pine City, Minn.	Mar. 30
Apr. 10	New Ulm, Minn.	Mar. 30
Apr. 10	Newcastle, Ind.	Apr. 6
Apr. 10	Plainfield, Conn.	Apr. 6
Apr. 11	St. Catharines, Ont.	Mar. 30
Apr. 11	Middlebourne, W. Va.	Mar. 30
Apr. 11	Medina, N. Y.	Mar. 23
Apr. 11	Hartford, Conn.	Mar. 23
Apr. 11	Kirksville, Mo.	Mar. 30
Apr. 11	Norfolk, Va.	Mar. 30
Apr. 11	Terre Haute, Ind.	Apr. 6
Apr. 11	New Washington, O.	Apr. 6
Apr. 11	Cumberland, Md.	Apr. 6
Apr. 12	San Francisco, Cal.	Mar. 30
Apr. 12	Newark, N. J.	Apr. 6
Apr. 12	Marion, Ind.	Apr. 6
Apr. 13	Malone, N. Y.	Mar. 30
Apr. 13	Hornell, N. Y.	Apr. 6
Apr. 14	Duluth, Minn.	Mar. 23
Apr. 14	Hudson, N. Y. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 14	Wilmington, O.	Mar. 30
Apr. 14	Logan, W. Va.	Apr. 6
Apr. 15	Newton Square, Pa.	Mar. 30
Apr. 15	Seattle, Wash.	Apr. 6
Apr. 15	Streator, Ill.	Apr. 6
Apr. 15	Cornwall, Ont.	Apr. 6
Apr. 17	Oakland, Cal.	Mar. 30
Apr. 17	New York, N. Y.	Apr. 6
Apr. 17	Denver, Col.	Apr. 6
Apr. 18	Pontiac, Mich.	Mar. 30
Apr. 18	Coffeyville, Kan.	Mar. 30
Apr. 18	Brooklyn, N. Y.	Mar. 30
Apr. 18	Hartford, Conn.	Apr. 6
Apr. 18	Grand Junction, Col.	Apr. 6
Apr. 19	Sebring, O.	Apr. 6
Apr. 19	Trenton, N. J.	Apr. 6
Apr. 19	Freehold, N. J. Adv. Apr. 6.	Apr. 6
Apr. 20	Decorah, Ia.	Mar. 30
Apr. 20	Geneva, Ill.	Apr. 6
Apr. 21	New Haven, Conn.	Mar. 23
Apr. 21	Alliance, Neb.	Mar. 23
Apr. 21	Germantown, O.	Mar. 30
Apr. 22	Williamsport, Pa.	Apr. 6
Apr. 24	Darbyville, O.	Apr. 6
Apr. 24	Chatham, N. J.	Apr. 6
Apr. 25	Hartford, Conn.	Mar. 30
Apr. 25	Lancaster, Wis.	Apr. 6
Apr. 27	Centerburg, O.	Mar. 30
Apr. 28	Oconomowoc, Wis.	Apr. 6
May 1	Elizabeth, N. J.	Apr. 6
May 3	New Lebanon, O.	Apr. 6
May 6	Hopemont, W. Va.	Mar. 23

FEDERAL GOVERNMENT WORK

Apr. 10	Hospital—Palo Alto, Cal.	Mar. 9
Apr. 10	Mechanical Equipment — Palo Alto, Cal.	Mar. 9
Apr. 10	Steel Hangars, etc.—Ft. Riley, Kan.	Mar. 23
Apr. 10	Radio Station — Wash., D. C.	Mar. 30
Apr. 11	Steel Hull — Nashville, Tenn. Adv. Mar. 16 to Apr. 6.	Mar. 16
Apr. 11	Alterations—Boston, Mass.	Mar. 23
Apr. 12	Extension — Puget Sound, Wash.	Mar. 9
Apr. 12	Gun Shed, etc.—San Diego, Cal.	Mar. 9
Apr. 12	Equipment—Boston, Mass.	Mar. 30
Apr. 14	Boilers—Evansville, Ind.	Mar. 30
Apr. 17	Dredging — Providence, R. I. Adv. Mar. 23 to Apr. 6.	Mar. 23

Bids Close		See Eng. News-Record
Apr. 17	Barges—New York, N. Y. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 17	Drainage—Malta, Mont.	Mar. 30
Apr. 19	Radio Towers — Samoa, Tutuila	Mar. 23
Apr. 19	Shed—New York, N. Y.	Mar. 30
Apr. 19	Refrigeration System—Mobile, Ala.	Mar. 30
Apr. 19	Heating System — Mobile, Ala.	Mar. 30
Apr. 19	Roads and Walks—San Diego, Cal.	Apr. 6
Apr. 19	Distributing System — San Diego, Cal.	Apr. 6
Apr. 19	Radio Quarters—Amagansett, N. Y.	Apr. 6
Apr. 21	Barges—Pittsburgh, Pa. Adv. Mar. 23 to Apr. 6.	Mar. 23
Apr. 24	Dredging — Wilmington, Del. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 26	Substation, etc. — Boston, Mass.	Apr. 6
May 1	Bridge—Nenana, Alaska. Adv. Mar. 16 and Apr. 6.	Mar. 16

MISCELLANEOUS

Apr. 10	Truck—Livingston, Mont.	Mar. 23
Apr. 10	Engine and Generator — Holton, Kan.	Mar. 30
Apr. 10	Light Posts — St. Paul, Minn.	Mar. 30
Apr. 10	Miscellaneous Construction, etc.—New York, N. Y.	Mar. 30
Apr. 10	Tractor—Pine City, Minn.	Mar. 30
Apr. 10	Gravel—Baton Rouge, La.	Apr. 6
Apr. 10	Road Oil, etc.—St. Paul, Minn.	Apr. 6
Apr. 11	Electric Gantry Cranes — Rochester, N. Y. Adv. Mar. 16 to Apr. 6.	Mar. 16
Apr. 11	Crane—Aberdeen, Wash. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 11	Subsurface Passageway, etc.—New York, N. Y.	Mar. 30
Apr. 11	Road Oil—Hartford, Conn. Adv. Apr. 6.	Apr. 6
Apr. 11	Electrical Improvements — Chanute, Kan.	Apr. 6
Apr. 12	Crane—Baltimore, Md.	Mar. 30
Apr. 12	Bituminous Concrete—Trenton, N. J. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 12	Foundations — Lincoln, Neb. Adv. Mar. 16 to Apr. 6.	Mar. 16
Apr. 12	Steel Covers, etc. — New York, N. Y.	Mar. 30
Apr. 13	Asphalt, Sand, Pipe, etc. — Lansdale, Pa.	Apr. 6
Apr. 15	Heating Oven and Outfit—Shenandoah, Pa. Adv. Mar. 30 and Apr. 6.	Mar. 30
Apr. 17	Springfield, Mass. Adv. Apr. 6.	Apr. 6
Apr. 17	Pipe—Buffalo, N. Y.	Apr. 6
Apr. 17	Steel Rails, etc.—St. Petersburg, Fla.	Apr. 6
Apr. 18	Pier—Phila., Pa.	Mar. 30
Apr. 19	Sanitary Work — Central Islip, N. Y. Adv Apr. 6.	Apr. 6
Apr. 20	Water Meters — Petersburg, Ill.	Mar. 30
Apr. 20	Structural Steel Work—New Orleans, La. Adv. Apr. 6.	Apr. 6
Apr. 20	Trailers—Indianapolis, Ind.	Apr. 6
Apr. 20	Steel Screw Ferry Boats — New York, N. Y.	Apr. 6
Apr. 21	Borings—Brooklyn N. Y.	Apr. 6
Apr. 24	Tractor—Finley, N. D.	Apr. 6
Apr. 26	Grain Elevator — Norfolk, Va.	Apr. 6
Apr. 27	Plumbing, Heating and Ventilating Systems — Lincoln, Neb.	Mar. 30
Apr. 29	Cable and Accessories — Melbourne, Australia	Mar. 16

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Canajoharie—Voted $20,000 bonds to increase present water supply. Address W. Bullock, pres.

N. Y., Fairport—Bd. Trustees plans extension of water supply system in Whitney Rd., Monroe St. and Jefferson Ave. Cost to exceed $15,000.

N. Y., Gouverneur—Making plans new water supply system. $50,000-$75,000. Voted $3,000 to drill test wells. Address G. S. Dawley, pres. W. T. Field, Flower Bldg., Watertown, consult. engr.

N. Y., Jamesville—See "Dams."

N. Y., Mumford—Plans water system. $15,000-$25,000. Engineer not selected.

N. Y., Turin—Voted $20,000 bonds for new water supply system. W. H. Ayers, pres. Noted March 16.

Va., South Hill—See "Industrial Works."

W. Va., Camden—Plans waterworks system. $44,000.

N. C., Greensboro—Having surveys made and plans prepared installing new filters, pipe line to city, electrification of present Ready Fork plant, which is now operated by steam, and building dam across Ready Fork Creek. J. L. Ludlow, Winston-Salem, engr. Noted Nov. 3.

La., Houma—Voted $200,000 bonds for water purification plant. J. M. Berry, mayor.

La., Slidell—See "Sewers."

Fla., Seabreeze—Voted $50,000 bonds for waterworks, including softening plant, 75,000 gal. tank on 125 ft. tower, wells, pumping house, pumps, etc. P. D. Gold, mayor.

Wis., Milwaukee—Had plans prepared laying 9,875 ft. 54 in. force main in Chambers St. from 9th to 25th Sts. and 4,000 ft. 36 in. force main in 29th St. from Chambers to Meinecke Sts. $70,000 and $20,000 respectively. G. F. Staal, City Hall, engr. Noted Mar. 23.

Minn., Dilworth—Plans complete waterworks and sewerage system. $50,000. F. Bartholet, clk.

Minn., Duluth—Water and Light Dept. soon takes bids 14,000,000 gal. rein.-con. reservoir, beam and slab roof. D. A. Reed, mgr.

Minn., Henning—Defeated $20,000 bonds for waterworks. Project postponed. O. L. Scorheim, recdr. Druar & Milinovski, 500 Globe Bldg., St. Paul, engrs. Noted Nov. 17.

Minn., Paynesville—Making plans extending waterworks system. $40,000. J. F. Chisholm, clk. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Waterworks Contracts

March 1922	1,199,000
March 1921	2,028,000
March 1920	2,213,000
March 1913	923,000

Less than a year ago, but $422,000 better than last month.

Minn., Rosemount—Had plans prepared for waterworks. $30,000. J. J. McLafferty, clk. C. L. Pillsbury, 1200 2nd Ave., Minneapolis, engr. Noted Jan. 27, 1921.

Minn., Wabasso—Voted $30,000 bonds for waterworks. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

S. D., Emery—Having plans prepared waterworks system. $30,000. Smith & Reeves, Mitchell, engrs.

Mo., California—Making plans 4-6 in. mains and reservoir. $60,000. Black & Veatch, Mutual Bldg., Kansas City, engrs. Noted March 9.

Mo., St. Louis—Plans to install one 20,000,000 gal. crank and fly wheel type triple expansion pumping engine with vacuum pump, boiler, feed pump and air compressor, etc. $75,000. L. Chivois, 312 City Hall, engr.

Tex., Clarendon—April 11, to vote on $75,000 bonds, waterworks improvements. W. D. Howren, engr.

Tex., Mount Pleasant—Plans waterworks improvements incl. enlarging of mains, filtration plant, plumbing plant, stand pipe and new machinery. $150,000. H. S. Wilder, engr.

Cal., Antioch—To vote on $100,000 bonds constructing complete new water system. E. P. Easley, town engr.

Cal., Modesto—Modesto Irrigation Dist. plans to install turbine pump, 2,000 gal. per minute, electric driven, to operate under 40 ft. head. Will probably be purchased in open market. J. Jones, Modesto, engr.

Cal., Pasadena—Election soon to vote on $175,000 bonds extending and equipping waterworks system. B. Chamberlain, city clk.

BIDS DESIRED

N. Y., Buffalo—April 13, by Dept. Pub. Wks., Municipal Bldg., furnishing brass corporation cocks and plugs for year ending May 1, 1923.

N. Y., Salamanca—Taking bids furnishing water meters. Address Water & Light Comn., Salamanca.

Mich., Port Huron—April 17, at office E. C. Fitzpatrick, city clk., (1) waterworks well, (2) intake, (3) supplying pipe and fittings, (4) superstructure for well; adv. this issue. Noted March 2.

S. D., De Smet—April 25, waterworks system incl. 23,550 lin.ft. 6-10 in. Class B c.i. pipe, forty-eight 4-10 in. gate valves, 44 hydrants, 21,000 lb. c.i. specials, one concrete or steel tower, 150,000 gal. capacity, brick pumphouse, concrete well. $35,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

S. D., Groton—April 13, 2 mi. c. i. mains, elevated tank and tower and concrete reservoir. Dakota Eng. Co., Mitchell, engrs.

BIDS RECEIVED

O., Cleveland — Cuyahoga Co. brick pumping station, from Rice Jones Co., 1836 Euclid Ave., $4,980, Masters & Mullin Constr. Co., Electric Bldg., $5,890; laying 21,185 ft. 8-16 in. c.i. mains, from E. Cesa & Son, 2462 Baldwin Rd., $69,612; 2 centrifugal pumps and equipment, from Strong, Carlisle & Hammond, Frankfort Ave., $8,730, Dravo-Doyle Co., Citizens Bldg., $8,823. Noted March 16.

CONTRACTS AWARDED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Brook, Jerome, Tremont and University Aves., East 143rd, East 177th and West 177th Sts. to Norton Eng. & Contg. Co., 51 West 149th St., $116,729; in Buhre, Cranford, Cromwell, Manhattan and other streets in Bronx, to C. Delblasio, 339 7th Ave., Mt. Vernon, $18,115. Noted March 30.

Ill., Joliet—For 4-6 in. c.i. mains, hydrants, valves, etc., in Herkimer St., to R. R. Kuehn, Aurora, $40,000. Noted Feb. 9.

Mich., Detroit—For 3 electrically driven high pressure centrifugal pumps at Randolph St. pumping station, to Midwest Engine Co., 19th St., Indianapolis, Ind., $25,980; Fire Comn. requirements on 6 in. B & S c.i. pipe, in 12 ft. lenghs, to Crane & Co., 150 Randolph St., $41.80 per net ton.

Ia., Edgewood—For 10,120 ft. 4-8 in. c.i. pipe, 3,000 ft. 2 in. galvanized pipe, special castings and 20 hydrants, to C. W. Rowland, Des Moines, $11,421; 50,000 gal. steel tank and tower, pumping machinery and pump house to Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, $44,017; well, to J. E. Emery, Cedar Rapids, $1,000.

Ia., Granger—For 1,430 lin.ft. 6 in. and 8,213 lin.ft. 4 in. c.i. pipe, and 40,000 gal. elevated steel tank, to Wickes Eng. & Constr. Co., 418 Polk Bldg., Des Moines, $15,100.

Minn., Houston—Improving waterworks, 6,960 lin.ft. 4-8 in. mains, removing and relaying 320 ft. old 4 in. mains, 196 ft. of 4 in. hydrant connections, etc., to W. C. Fraser, 810 Guardian Life Bldg., St. Paul, $14,672. Noted March 9.

Neb., Lincoln—Laying 8,750 ft. 6 in. and 4,910 ft. 4 in. c.i. pipe, in Water Dist. 26, to Knudson & Bruce, 2112 E St., $18,500.

Wash., Walla Walla—Water Comn., construction of twin reservoir to Pacific Coast Paving Co., Perking Bldg., Tacoma, $176,841. Noted March 9.

Que., Verdun—For 2 electric pumps, 5,000,000 gal. capacity, to E. Laurie Co., 27 Bleury St., Montreal, $9,960.

Sewers

PROPOSED WORK

Pa., Berwick—Plans system of sewers and storm drains. A. Potter, 50 Church St., New York, engr.

Pa., Erie—Having plans prepared reconstructing storm water sewer system in Myrtle, 12th, Cherry and Chestnut Sts., 24, 30, 33 and 42 in. pipe. $40,700 for sewers, $7,300 for repairs to pavements. A. Eichorn, street dir.

Sewers (Continued)

Pa., Media—Delaware Co. having plans prepared for sewerage system. $100,000. Remington & Vosbury, 6th and Market Sts., Camden, N. J., engrs.

N. J., Teaneck (Englewood P. O.)—Plans system of sewers. T. F. Bowe, 110 William St., New York, engr.

La., Slidell—Plans sewerage and waterworks plant. $105,000. W. G. Huff, secy.-treas.

Ill., South Beloit, (Beloit, Wis. P. O.)—Making plans outlet sewer south of Turtle Creek, 3,200 ft. 48 in., 1,070 ft. 42 in., 1,760 ft. 36 in. and 550 ft. 30 in. rein.-con. pipe, 19 manholes, 26 catchbasins, etc. R. H. Batterman, Goodwin Blk. (East Milwaukee St.) Beloit, Wis., engr.

Wis., Kohler—Making plans sewage disposal plant. $25,000. J. Donohue, 628 North 8th St., Sheboygan, engr.

Wis., Merrill—Plans 2 mi. 8-16 in. vitr. storm and sanitary sewers in Mill, Spruce, Scott, Nash, River, South Pine, and 6 other streets. $50,000. A. Deleglise, City Hall, engr.

Wis., Milwaukee—Sewerage Com. rejected bids opened March 17, 95,000 bbl. cement for use in connection with tanks on Jones Island. Will readvertise. T. C. Hatton, City Hall, engr. Noted March 30.

Wis., Sheboygan—Making plans 1⅓ mi. 8-10 in. vitr. storm and sanitary sewers. $30,000. C. M. Boley, City Hall, Madison, engr.

Minn., Dilworth—See "Waterworks."

Minn., Henning—Defeated $40,000 bonds for sewerage system. Project postponed. O. L. Scorheim, recdr. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs. Noted Nov. 17.

Minn., Wabasso—Had plans prepared, sewerage system, Dist. No. 1, 2,272 lin.ft. 10-12 in. pipe; laterals Dist. No. 1, 8, 110 lin.ft. 8-10 in. pipe; general sewer, 960 lin. ft. 12 in. pipe, disposal plant, etc., $45,000 bonds voted. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

S. D., Emery—Having plans prepared sewerage system. $40,000. Smith & Reeves, Mitchell, engrs.

Mo., Eldon—Making plans disposal plant and 10-14 in. vitr. tile sewers. $71,083. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs.

Cal., Pasadena—Election soon to vote on $412,000 bonds for sewage disposal plant. B. Chamberlain, city clk.

BIDS DESIRED

N. Y., Brooklyn—April 12, by E. Riegelmann, boro pres., Boro Hall sewers in Albany Ave. between East New York Ave. and Rutland Rd., Maple St. between Schenectady and Utica Aves., East 34th St. from Ave. I to point about 365 ft. northerly, Bedford Ave. from Ave. G northerly to end of existing sewer about point 310 ft. north of Ave. G, sewer basin on Kermit Pl., northwest corner of Coney Island Ave. ,also on Albemarle Rd. southside about 300 ft. east of Flatbush Ave.

N. Y., Long Island City—April 12, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Kingsland Ave. from Luydig Pl. to point about 600 ft. west of Junction Ave., 2nd Ward; Norwood Pl. (166th St.) from Queens to California Aves. (43rd Ave.); California (43rd) Ave. from Norwood Pl. to Stiles Pl. (171st St.); Stiles Pl. from California Ave. to Station Rd.; Station Rd. from Stiles Pl. to Lancaster Ave. (192nd St.); Lancaster Ave. from Station Rd. to Linn St. (39th Ave.), 3rd Ward.

N. J., Jersey City—April 11, by Bd. Comrs. sewers in Fisk St. drainage area. F. A. Dolan, city clk.; adv. this issue. Noted Dec. 8.

D. C., Wash.—April 17, by Comrs. Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., 12,200 ft. 10-18 in. sewers and appurtenances. R. B. Morse, Hyattsville, Md., ch. engr. of dist.; adv. this issue.

Va., Norfolk—April 13, by W. H. Taylor, dir. Pub. Wks., Armory Bldg., draining Newtons Creek and constructing rein.-con. box drains and rein.-con. pipe drains. $25,000. D. A. Decker, city engr. Noted Feb. 23.

Va., South Norfolk—April 20, by F. L. Rowland, mayor, and Common Council, 22nd St., sanitary sewerage system, pumping station and discharge line. W. T. Madrin, clk; adv. this issue.

Ill., Decatur—May 1, by Trustees Sanitary Dist., Standard Life Bldg., sewage treatment plant and appurtenances, Contr. Pearse, Greeley & Hansen, 39 West Adams St., Chicago, engrs.; adv. this issue.

Mich., Detroit—April 10, by Dept. Pub. Wks., 1,930 ft. Winchester Ave. Arm Sewer, in Winchester Ave. from Russell to Dequindre Sts., 3 ft. to 4 ft. 6 in. cylinder, 2,073 ft. State Fair Ave. Arm Sewer, in State Fair Ave. from Russell to Dequindre Sts., 3-4 ft., cylinder, 2,314 ft. Plymouth Ave. Arm W. of Wyoming Ave. Sewer, in Plymouth Ave. from Wyoming to Manor Aves., 3 ft. 6 in. to 4 ft. 9 in. cylinder, 2,186 ft. Plymouth Ave. Arm E. of Wyoming Ave. Sewer, in Plymouth Ave. from Wyoming to Roselawn Aves., 4-5 ft. cylinder, 3,338 ft. Bates St. Sewer, 7, in. Brush St. from Westminster Ave. to Highland Park, 3 ft. 6 in. cylinder, 2,664 ft. Van Dyke Ave. Arm of Seven Mile Rd. Sewer, in Van Dyke Ave. from Seven Mile Rd. to Nevada Ave., 3 ft. to 5 ft. 9 in., and 5,304 ft. Clark Ave. Sewer, Sect. 2, in Summit, Fort, Lansing, Lafayette and Clark Aves., from Jefferson to Christiancy Aves., 14 ft. cylinder., rein.-con., vitr. segment block, brick, or monolithic concrete. J. W. Reid, city engr.

Wis., Hartford—April 18, 10-18 in vitr. storm and sanitary sewers. $25,000. J. Donohue Co., 628 North 8th St., Sheboygan, engrs.

Wis., Kewaskum—April 12, 6-12 in. vitr. sewer pipe and disposal plant. $25,000. J. Donohue Co., 628 North 8th St., Sheboygan, engrs. Noted Nov. 24.

S. D., De Smet—April 25, sewerage system, incl. 23,180 ft. 8-15 in. pipe. $45,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids March 29, sewers in (1) Armand Pl., (2) Winifred St., (3) 75th St. (Eads Ave.), receiving basins in (4) northeast corner of 125th St. (South Cochran Ave.) and 101st (Jerome) Ave. from J. Chiopette, (1) $1,797; Kennedy & Smith, Inc., 93 Amity St., Flushing, (1) $1,799; J. Gallo, 203 Division St., Brooklyn, (1) $1,884 (2) Proposal B, $46,944, (3) Proposal B, $25,541, (4) $410; H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, (2) Proposal A, $49,650, Proposal B, $48,715; M. Paino & Co., (2) Proposal A, $51,295, (3) Proposal A, $27,123, Proposal B, $26,677; G. L. Schrade, 693 Flatbush Ave., Brooklyn, (2) Proposal A, $51,428, Proposal B, $49,370, (3) Proposal A, $25,444, Proposal B, $25,217; G. F. Clancy, Inc., 460 Lockwood St., (3) Proposal A, $24,441; Peace Bros., Inc., 20 Main St., Flushing, (4) $390; Gustin Morris Contg. Co., (4) $410. Noted March 23.

Sewer Contracts

March 1922	3,440,000
March 1921	2,862,000
March 1920	1,283,000
March 1913	1,824,000

A million dollars above February.

O., Cleveland—For 450 ft. 5 ft. concrete and 5,918 ft. 12-24 in. tile sewer in (1) Kingsbury Run from East 75th St. to St. Johns Cemetery, (2) intercepting sewer from Treadway Ave. to Big Creek, (3) Halliday Ave. from Ivanhoe to Nathaniel Rds., (4) Kipling Ave. from Ivanhoe to Nathaniel Rds., from N. Carraccio and A. Gaudio, 14109 Benwood Ave., (1) $13,407; P. W. Graham, 274 West 108th St., (1) $12,681; J. Azzarello, 11415 Huida Ave., (2) $9,673, (3) $2,026, (4) $2,154; M. A. Yahya, 591 Bway., (2) $10,962, (3) $1,954, (4) $1,895. Noted Dec. 1.

Wash., Seattle—Bd. Pub. Wks., West Dawson St., and other trunk sewers, from F. N. Badolato, Seattle, 36 in. and 48 in. rein.-con. clay pipe, $142,748; concrete, $139,752.

Que., Montreal—For 2 x 3 brick sewers in (1) Ball St. from Bickerdike to St Adele Sts., (2) Ball St. from O'Shaughnessy to St. Adele Sts., (3) Stuart St. from Cremazie Rd. to Beaumont Ave., (4) Anvers St. from Lanoraie to St. Adele Sts., (5) Millen St. from Kelly St. northerly, (6) Ogilvie St. from Birman to Allen Sts., (7) Ogilvie St. from Lanoraie to Stuart Sts., (8) Allen St. from Ball to Ogilvie Sts., (9) Lanoraie St. from Cremazie Rd. to Abraham St., (10) Abraham St. from Birman to Allen Sts., (11) Hopper St. from Birman to Allen Sts., (12) Hopper from Lanoraie to Stuart Sts., (13) Birman St. from Cremazie Rd. to Beaumont Ave., (14) Ball St. from Shaughnessy to Stuart Sts., (15) Abraham St. from Lanoraie to Stuart Sts., (16) Ball St. from Birman to Allen Sts. from O. Filion, 2985 St. Denis Ave., (1) $776, (2) $796, (3) $29,695, (4) $1,950, (6) $780, (7) $814, (8) $8,074, (9) $19,482, (10) $810, (11) $783, (12) $801, (13) $29,381, (14) $1,785, (15) $827, (16) $848; A. Thezaud, 885 St. Catherine St. E., (1) $871, (2) $883, (3) $33,649, (4) $2,225, (5) $1,465, (6) $871, (7) $906, (8) $9,130, (9) $22,105, (10) $910, (11) $872, (12) $887, (13) $33,232, (14) $2,007, (15) $906, (16) $955; Londou, Corlier & Cie, 3227 Christophe Colombe St., (1) $1,076, (2) $1,082, (5) $887, (7) $1,073, (12) $1,035, (14) $2,193, (15) $1,059; Filion & Bros. Ltd., 2419 St. Denis St., (3) $34,240, (5) $1,190, (6) $902, (9) $22,485, (10) $939, (11) $903, (13) $33,836; Toussant Bros., 2357 St. Denis St., (4) $2,769, (8) $10,084, (16) $1,061. Noted March 2.

CONTRACTS AWARDED

Conn., Wethersfield—For 5,000 ft. 24 in. tile sewer, 30,000 ft. various smaller sizes, tile sewers and one 35 x 70 ft. settling tank, to B. Silvestri, 249 Otis St., Hartford. $200,000.

O., Columbus—W. H. Duffy, dir. Pub. Serv. concrete sewer in Olentangy Blvd., to R. O. Jones, Columbus, $20,784; Glenola Heights Sewer, to W. D. Winchell, 337 Siebert St., $10,831. Noted March 16.

Mich., Detroit—To G. R. Cooke, 1260 Penobscot Bldg., Clark Ave. Sewer, Sect. 1, $108,760; Detroit Drainage Constr. Co., 400 Penobscot Bldg., Moran Ave. Sewer Arm of McDougall Ave. Sewer, $37,736, Lateral Sewer 3601, $4,488; A. Rossi, 3447 St. Aubin Ave., Selden Ave. Arm of 3rd St. Sewer, $11,944; Langley & Barton, 1604 Pennsylvania Ave., Norfolk Ave. Arm of Livernois Ave. Sewer, $14,256, Midland Ave. Arms of Livernois and Linwood Ave. Sewer, $22,613; J. Winterbottom, 54 Stimson Pl., Pembroke Ave. Arm of Livernois Ave. Sewer, $20,744; F. W. Watts, Coon Ave. Arm of Wyoming Ave. Sewer, $17,470; Gass-Thurston Co., 13851 Van Dyke Ave., Martin Ave. Sewer Extension, $42,614; Judd Co., 2287-12th St., Lateral 3609, $3,216. Noted March 30.

Mich., Ferndale—G. Jerome, engr., 1331 Majestic Bldg., Detroit, 1,500 ft. 24-30 in. vitr. sewers in Rockwell Ave. from Farmdale Ave. to Ridge Rd., to J. Winterbottom, 54 Stimson Pl., Detroit, $25,000. Noted March 2.

Wis., Delavan—Sewage disposal plant, (equipment not included), to J. Braman & Son, Jefferson, $15,000. Noted March 9.

Neb., Lincoln—Sanitary Dist. 1, Lancaster Co., 8,000 ft. 10 in. and 10,000 ft. 12 in. vitr. clay sewers, in Outlet Sewer Dist. 4, to J. L. Vlasnick, 624 North 32nd St., $20,781. Noted Mar. 16.

Col., Englewood—For 8-18 in. vitr. clay pipe in Lateral Sewer Dist. 1, to D. S. Reid Constr. Co., Littleton, $87,632; 8-18 in. vitr. clay pipe, to Gordon Constr. Co., Barclay Blk., Denver, $32,040. Noted March 30.

Cal., Santa Monica—Constructing 38,000 ft. 12 in. concrete sewers and 40,000 ft. cement curbs on Pennsylvania Ave., to J. Chutuk, 426 Bullard Bldg., Los Angeles, $65,048.

Que., Montreal—For sewers in various streets, to O. Filion, 2419 St. Denis St., $90,600.

Bridges

PROPOSED WORK

Virginia—State Hy. Comn., Richmond, plans rein.-con. bridge over Hampton Creek, Route 9, Virginia Project 150, Elizabeth City Co. $40,000. G. P. Coleman. comr.

Alabama—State Hy. Comn., Montgomery, authorized W. S. Keller, state highway engr., to make surveys for 8 or 9 mi. bridge over Mobile Bay.

Bridges (Continued)

Alabama—State Hy. Comn., Montgomery, voted to rebuild high level steel bridge over Chattahoochee River, between Barbour Co., Ala., and Quitman Co., Ga., to have one 200 ft. through span, one 170 ft. and one 145 ft. deck spans, 18 ft. roadway. To be built jointly by two states. W. S. Keller, Montgomery, state highway engr.

Wis., Green Bay—Voted $525,000 bonds for steel and concrete bascule bridge on Main and Dousman Sts. Strauss Bascule Bridge Co., 225 North Michigan Ave., Chicago, engrs.

Ia., Elkader—See "Streets and Roads."

Ia., Marshalltown—See "Streets and Roads."

Ia., Montezuma—Poweshiek Co. making plans and soon receives bids 30 bridges and culverts, 1 pony truss 50 ft. span, several I beams, various sizes, etc. $35,000. C. E. Oleson, Montezuma, engr.

Mo., Kennett—Making plans five 80 ft. steel span bridges, concrete piers and abutments. $30,000. C. E. Smith Eng. Co., 28 East Jackson Blvd., Chicago, engrs.

Col., Denver—Plans bridge, probably rein.-con., Federal Blvd. and West 13th St. $30,000. J. B. Hunter, City Hall, engr.

N. M., Anthony—See "Streets and Roads" under Las Cruces.

Cal., San Mateo—See "Streets and Roads."

Bridge Contracts

March 1922	1,151,000
March 1921	1,443,000
March 1920	2,238,000
March 1913	2,246,000

More bridges needed—more will be built—watch proposals.

Ont., London—Middlesex Co. having plans prepared for concrete and steel bridges. $25,000. Prices wanted on all materials. C. Talbot, County Bldgs., engr.

Ont., Sandwich—See "Streets and Roads."

BIDS DESIRED

Pa., Media—April 18, at office G. T. Wadas, controller Delaware Co., 2 span rein.-con. Bridge 1, Aston Twp.; removing present pin connected steel truss Bridge 1, now in place at Wawa Sta., on Baltimore Pike and placed upon new abutments at Llewllyn Bridge 10, Aston Twp.; Yorkshire Mills Bridge 5, over Chester Creek, Aston Twp.; Plush Mills Bridge 106, between Springfield and Nether Providence Twps.; adv. this issue.

North Carolina—See "Streets and Roads."

O., Cincinnati—April 25, by Comrs. Hamilton Co., 303 ft. steel truss bridge, 22 ft. roadway, 5 ft. sidewalk, concrete abutments, over Little Miami River, on Hopewell Rd. (Symmes Sta.) E. A. Gast, Court House, engr.

Ia., Corydon—April 19, Auditor Wayne Co., 22 box and 42 circular culverts, 7 culvert extensions, two 70 ft. pony trusses and one 100 ft. truss. D. L. Thomas, Corydon, co. engr.

BIDS RECEIVED

Alabama—State Hy. Dept., Montgomery, constructing concrete bridge over Big Wills Creek, Etowah Co., from Etowah Court of Co. Comrs., Gadsden, $25,668; Lamb & McLemore, Eutaw, $31,335; R. B. Reese & Co., 12 Putman St., Montgomery, $33,396. Noted March 9.

Colorado—State Hy. Dept., Denver, opened bids March 27, (1) timber pile trestle bridge and approaches over South Plate River near Orchard, (2) timber pile trestle bridge and approaches over Kiowa Creek near Bennett, (3) 70 ft. steel truss bridge and approaches over Big Thompson River near Loveland, from Colorado Bridge & Constr. Co., G & E Bldg., Denver, (1) $16,095, (2) $17,496; Levy Constr. Co., Symes Bldg., Denver, (1) $16,894, (2) $15,165, (3) $12,377; La Nair, Selander & White, Ft. Morgan, (1) $17,459; H. L. Lallier Constr. & Eng. Co., Hudson, (2) $18,423; F. Maloom, Loveland, (3) $12,019; J. A. Bell, Berthond, (3) $12,424. Noted March 9.

CONTRACTS AWARDED

N. Y., Cohoes—See "Excavation and Dredging."

Alabama—State Hy. Dept., Montgomery, constructing 2 concrete bridges, total length 525 ft., near Judkins Ferry Bridge, Elmore Co., to C. T. Dawkins, Douval Bldg., Jacksonville, Fla. Noted March 30.

Minn., Duluth—St. Louis Co., three 15 ft., one 12 ft., one 35 ft., one 45 ft. and one 390 ft. rein.-con. and steel bridges, to A. Guthrie & Co., 366 Jackson St., St. Paul, $34,940; one 60 ft., one 23 ft., one 161 ft. and one 178 ft., rein.-con. and steel bridges, to Great Northern Bridge Co., Kasota Bldg., Minneapolis, $28,108.

Missouri—See "Streets and Roads."

Missouri—State Hy. Dept. at div. office Bloomfield, one 30 ft., two 40 ft., one 20 ft. and one 50 ft. I-beam spans and one 120 ft. steel truss span, concrete abutments, 18 ft. roadways, on road from Cairo to Poplar Bluff, Federal Aid Project 118, Sect. A, Stoddard Co., to Vincennes Bridge Co., Vincennes, Ind., $25,147. Noted March 23.

Tex., Livingston—Polk Co. 456 ft. bridge over Trinity River on State Highway 35, to have three 150 ft. steel spans, 18 ft. roadway, concrete floor, on one 30 ft. abutment, two 80 ft. and one 66 ft. piers with pile foundation, approach consists four 18 ft. panels, concrete pile trestle with 40 ft. piles, to Illinois Steel Bridge Co., c/o H. K. Webb, Box 361, Dallas, $87,723.

Tex., Coleman—Coleman Co. two 15-26½ ft. rein.-con. deck girder bridges, one 20-26½ ft. rein.-con. deck girder bridge, one bridge with 150 ft. steel span truss with two 33 ft. rein.-con. deck girder approaches, one 5-18 ft. concrete slab bridge and numerous smaller rein.-con. and steel bridges and culverts, to McCall-Moore Eng. Co., 308 Amicable Bldg., Waco, $166,575. Noted March 30.

Wash., Ellensburg—Kittitas Co., steel bridge across Yakima River near here, to Portland Bridge Co., Yeon Bldg., Portland, $29,000.

Cal., Guerneville—Supervs. Sonoma Co., (Santa Rosa), steel bridge over Russian River, here, to Mercer-Fraser Co., 1st and G Sts. Eureka, $95,400. Noted March 2.

Dams

PROPOSED WORK

N. Y., Jamesville—Taxpayers East Syracuse voted $100,000 bonds for concrete dam here and water mains to East Syracuse. Address C. Hughes, East Syracuse.

N. C., Greensboro—See "Waterworks."

Railways

PROPOSED WORK

Ohio—Cincinnati, Lawrenceburg & Aurora Electric Ry., Andersons Ferry, Cincinnati, plans 6½ mi. extension from Andersons Ferry to Dixie Terminal Bldg., incl 5 mi. open line, 1 mi. elevated and ½ mi. in street. S. Shaffer, Atlas Bank Bldg., Cincinnati, pres.

Ohio—Erie R.R., 50 Church St., New York, plans 4 mi. 130 lb. rails on main line track of Marion Triple Div., near Marion and 16 mi. new track on Toledo Div., near Toledo. R. C. Falconer, ch. engr.

BIDS DESIRED

California—April 12, by Bd. Pub. Wks., constructing Taraval St. extension of Municipal Ry. system, between 33rd and 48th Aves., San Francisco, for city and San Francisco Co. $120,000. Materials to be furnished by city (already purchased.) M. M. O'Shaughnessy, City Hall, San Francisco, engr.

BIDS RECEIVED

New York—Transit Comn., 49 Lafayette St., New York, opened bids March 28, reconstructing part of Sect. 3, Route 33, part of Bway.-4th Ave. Rapid Transit R.R., under Willoughby St. from point about 50 ft. west of easterly line of Lawrence St. to point about 150 ft. east of easterly line of Bridge St. and will form an extension to Lawrence St. Sta., Brooklyn Boro, from F. L. Cranford, Inc., 149 Remsen St., Brooklyn, $342,000; Joslin Constr. Co. $355,000; Holbrook, Cabot & Rollins Corp. 52 Vanderbilt Ave., New York, $365,000. Noted March 16 under "Miscellaneous."

New York—Transit Comn., 49 Lafayette St., New York, opened bids April 3, constructing Sect. 6-A Route 8, part of 14th St.-Eastern Rapid Transit R.R., to be partly a 2 track sub-surface railroad and 2 track approach to an elevated railroad extending under Bushwick Ave. private property and partly under and over McKibbin St., Brooklyn, from Joslin Constr. Co. Inc., 354 West 24th St., New York, $1,149,196; Walston H. Brown Constr. Co., 52 Bway., New York, $1,196,004; F. L. Cranford, 149 Remsen St., Brooklyn, $1,198,315. Noted March 23.

CONTRACTS AWARDED

North Carolina—Alexander Granite & Land Co., Hiddenite, grading and building 4 mi. railroad from Hiddenite to Rocky Face Mountain, to W. E. Graham, Mt. Ulla, $50,000. Noted Mar. 30.

Kansas—St. Louis & San Francisco Ry., Ry. Exch. Bldg., St. Louis, Mo., 13 mi. double track between Spring Hill and Paola, incl. laying ties and earth excav., to Walsh Constr. Co., 114½ West 3rd St., Davenport, Ia. $745,000.

Minnesota—Great Northern Ry. Co., 4th and Jackson Sts., St. Paul, engine terminal facilities and grade separation work in North East Minneapolis at Minneapolis Jct. east of Spring and Harrison Sts., incl. 30 stall brick roundhouse on 72 stall circle, 104 ft. stalls; 92 ft. turntable, double 140 ft. center pit; 1 story, 50 x 70 ft. machine shop, brick; also elevating tracks over Spring St., to A. Guthrie & Co., 366 Jackson St., St. Paul. (Road will furnish material.) Total $800,000.

Minnesota—Northern Pacific Ry., 5th and Jackson Sts., St. Paul, installing automatic signal and interlocking block equipment on 203 mi. line from Dilworth to Mandan, N. D., to General Ry. Signal Co., West Ave., Rochester, N. Y. (Road furnishes material.) Project complete $700,000.

Excavation and Dredging

PROPOSED WORK

Va., Ocean View—Norfolk Co., (Portsmouth) plans system to drain Lake Dulwich and other small objectionable bodies of water into head of Little Bay. $25,000 to $30,000. R. B. Preston, New Kirn Bldg., Portsmouth, co. engr.

Ia., Bloomfield—Davis Co. making plans 13 mi. open ditch, Wyaconda D.D. 1, 332,800 cu.yd. excav., $33,280. H. E. Hansel, Bloomfield, engr.

BIDS DESIRED

Fla., Jupiter—April 12, by Bd. Comrs. Jupiter Inlet Dist., constructing inlet cut, approach channel and jetties. H. A. Pennock, secy. Noted Nov. 24.

Excavating Contracts

March 1922	608,000
March 1921	1,625,000
March 1920	3,151,000

Not enough but $200,000 heavier than last month.

Fla., Tampa—April 24, by Comrs. Hillsborough Co., 150,000 cu.yd. dredging for fill. $50,000. J. J. Heddrick, Jr., Tampa, engr.

Va., Norfolk—April 14, by W. H. Taylor, dir. Pub. Wks., Armory Bldg., dredging about 140,000 cu.yd. for submerged water pipe to cross Elizabeth River from Craney Island to 38th St. extended. $30,000. D. A. Decker, city engr.

Wis., Racine—April 14 (change of date), by Hoods Creek D. D., Court House, 76,532 ft. 8-24 in. tile, 2 manholes and 7 bulkheads, f.o.b. Sylvania, Corliss and Franksville. S. B. Walker, comr. Noted March 30.

Excavation and Dredging (Continued)

Ia., Algona—April 14, by E. F. Peterson, and Kossuth Co., D. D. 161, 41,010 lin. ft. 6-34 in. tile, 31 intakes, 1 concrete headwall; D. D. 170, 11,898 ft. 6-26 in. tile, 8 intakes; D. D. 172, 5,838 ft. 6-14 in. tile, 4 intakes; D. D. 173, 16,318 ft. 6-22 in. tile, 15 intakes. $32,000.

Minn., Worthington—April 12 by C. J. Kall, aud. Nobles Co., Ditch 16, 69,097 ft. 6-36 in tile, 3,000 ft. 30 and 36 in. double strength tile, 2 retaining walls, 10 surf inlets. $50,000.

Ark., Eudora—May 10, at office Bd. Comrs. Eudora Western D. D., for excavating and channel clearing. Baxter Eng. Co., Little Rock, engrs.; adv. this issue. Noted Feb. 23.

BIDS RECEIVED

O., Cleveland—Opened bids March 23 dredging Cuyahoga River, 150,000 cu.yd. excav., from Great Lakes Dredge & Dock Co., Williamson Bldg., $39,660; Empire Constr. Co., Cleveland, $53,170; Central Dredging Co., Bangor Bldg., $68,100. Noted March 9.

CONTRACTS AWARDED

N. Y., Cohoes—Cohoes Power & Light Corp., 45 North Mohawk St., will enlarge power canal, construct 100 lin.ft. concrete ice fender, 2,400 lin.ft. highway, several culverts and bridges and 3,400 lin.ft. canal banking, by day labor, under supervision of company officials and Sanderson & Porter, engrs., 52 William St., New York. $500,000-$600,000. C. A. Davis, 216 Columbia St., associated genl. mgr.

Fla., Sarasota—J. Ringling, filling tract 700 x 1,650 ft., 6.5 ft. high and building 3,500 ft. concrete seawall, to Burns Dredging Co., Sarasota, $74,965.

Ia., Boone—Boone Co., County D. D. 172, 55,470 lin.ft. 8-84 in. tile, 335 ft. of 6 and 8 in. heavy soil pipe, to McHose Sand and Tile Co., Boone, $215,495.

Minn., Albert Lea—Freeborn Co., Ditch 34, 70,044 lin.ft. 6-42 in. tile, 48 catch basins, 115 junction laterals, one bulkhead, to Quality Cement Products Co., Albert Lea, $47,545; O. Leo, Albert Lea, $22,537; C. Sorenson, Albert Lea, $5,409; W. Martin, Albert Lea, $4,071.

Minn., Fairmount—Martin Co., Ditch 41, to Jorgensen & Nelson, Mankato, $7,880; Ditch 24, to O. M. Anderson, Winnom, $14,500; Ditch 100, to Ceylon Cement Tile Co., Ceylon, $69,500; Ditch 103, to Natl. Clay Wks., Mason City, Ia., $14,865. Noted Feb. 16.

Minn., Grand Rapids—Itasca Co., Ditch 10, 77.6 acres clearing, 130,579 cu.yd. excav., 11,750 ft. road leveling, nine 30 ft. 15 in. culverts and five 15 ft. bridges, to H. C. Lawrence, South Side, $25,980. Noted Feb. 9.

Minn., Madison—Lac Qui Parle Co., Ditch 4, open work to Barnard-Curtiss Co., 612 Globe Bldg., Minneapolis, $71,421; tile labor to Phillips & Nodland, 3102 Pleasant Ave., Minneapolis, $25,980; tile to Plymouth Clay Products Co., Fort Dodge, Ia., $34,500. Noted Mar. 2.

Cal., Live Oak—Reclamation Dist. 2054, Sutter Co., constructing drainage ditches, 380,000 cu.yd. excav., to Ajax Dredging Co., 249 1st St., San Francisco, $0.37 per cu.yd.

Streets and Roads

PROPOSED WORK

Maine—State Hy. Dept., Augusta, plans gravel surfacing 6.34 mi. highway, Presque Isle, 6.26 mi. Mars Hill and Easton, 1.51 mi. Bucksport, .32 mi. Island Falls, 3.4 mi. Canton and 1.5 mi. Edgecomb; all foregoing 18 ft; paving .32 mi. Topsham, 21 ft., .5 mi. Hallowell, 18 ft., both concrete; 1.81 mi. Lewiston, 18 ft., bituminous macadam. P. D. Sargent, state highway engr.

Mass., Salem—Pub. Wks. Dept. plans permanent pavements. $100,000.

Conn., West Haven—Plans paving 2 mi. Campbell Ave., concrete. $100,000. Hy. Dept., West Haven, engrs.

N. Y., Batavia—Bd. Pub. Wks. plans paving Bank and State Sts., bituminous; West Main St., brick, $45,000-$50,000. R. F. Clark, city engr.

N. Y., Mayville—Chautauqua Co. plans constructing 3.18 mi. Busti-Sugar Grove Rd., 10 ft. concrete, 6 ft. gravel. W. J. Knauer, 255 Roberts Bldg., Jamestown, engr.

N. Y., North Tonawanda—Plans paving 2,275 ft. Sweeney St., wood block on concrete, 4,700 in.ft. curbing. $30,000. C. L. Oelkers, North Tonawanda, engr.

N. Y., Oswego—Oswego Co. plans improving roads. $62,650.

N. Y., Rochester—Having plans prepared paving 11,405 ft. Bay St., bitulithic. $105,000. C. A. Poole, city engr.

N. Y., Rochester—Plans paving Raymond St., $12,500; Brayer St., $12,700; Murray St., $21,900; Rutledge Dr., $24,600; Evangeline St., $14,500; Arbordale Ave., $23,500; Bway., $69,800; Pearl St., $23,000; Alexander St., $34,100; Millbank St., $26,500; Allendale St., $17,600, all foregoing asphalt; Moulson St., $12,500; Seabrook St., $11,200, both bitulithic; Webster St., $5,600, crescent asphalt; resurfacing North St., $102,320; also opening Elam Parkway, $4,500. Address City Eng. Dept.

N. Y., Rochester—Plans resurfacing Cleveland St., $8,400, Barrington St., $8,500, Wilmer St., $6,600, Lafayette Pl., $3,700, Harvard St., $8,000, Alexander St., $10,200; paving Burrows St., $42,300, all asphalt. City Engineering Dept., Rochester, engrs.

N. Y., Sodus—Voted $40,000 bonds to pave Mill St., Belden and Maple Aves. Address F. T. Hopkins, pres.

N. J., Elizabeth—Plans paving ½ mi. El Mora Ave., asphalt. $50,000. J. L. Bauer, Elizabeth, engr.

Pa., Erie—Erie Co. plans to expend $300,000 on roads.

Pa., Erie—Plans paving German St., $9,200, Raspberry St., $8,900, 24th St., $22,000, Plum St., $6,700, Penna. Ave., $12,600. T. Eichorn, street dir.

Pa., Titusville—Plans election to vote on $25,000 bonds for repaving East Spring St.

Va., Accomac—Accomac Co. plans to vote on $500,000 bonds, concrete roads throughout county. W. H. Pruitt, Temperanceville, treas.

Va., Charlottesville—Albemarle Co. plans to surface 6.4 mi. road between Charlottesville Dist. line and Glendower, bituminous macadam. $60,000. G. P. Coleman, Richmond, highway comr.

North Carolina—State Hy. Dept., Raleigh, plans grading, rein.-con. structures and topsoiling, 12 mi. road from Williamston to Hamilton, State Project 157 A, Martin Co. $50,000.

N. C., Kinston—Plans paving streets that connect with paved highways. $50,000. W. T. Kyzer, secy. Chamber Commerce.

N. C., Nashville—Nash Co. plans clearing, grading and surfacing 20 mi. road from Bailey via Stricklands Mill to Nashville. $60,000. L. T. Vaughn, comr.

N. C., Tryon—Plans paving various streets. $60,000. M. G. Blake, clk. Noted Oct. 20.

N. C., Waynesville—Having surveys made grading, paving and curbing 3 mi. various streets. $150,000. Carolina Eng. Co., Wilmington, engrs.

S. C., Orangeburg—Orangeburg Co. soon takes bids 10 or 15 mi. concrete roads. $325,000 bonds sold. L. K. Sturkie, clk.

Fla., Bronson—Levy Co., to vote on $100,000 bonds April 15, paving roads in Special Dist. surrounding Otter Creek.

Fla., Chipley—Rejected bids opened March 10, 40,000 sq.yd. concrete sidewalks. Noted March 2.

Fla., Clermont—April 24, to vote on $35,000 bonds paving 5 mi. various streets. S. S. Fesler, clk.

Fla., Ft. Lauderdale—Soon takes bids 32,000 yd. asphalt surfacing, 18,000 yd. penetration macadam, 18,000 lin.ft. curbing and guttering, necessary grading, etc. Cost between $80,000 and $100,000. H. C. Davis, city engr.

Fla., Sanford—Seminole Co. to vote on $50,000 bonds April 11, to widen rock and macadam roads (from 9 to 16 ft.) and resurface with oil or asphalt, 20 mi. Beardall Ave., Monroe Rd., Geneva, Celery, St. Gertrude and other streets; $38,000 bonds to resurface with macadam or rock, oil or penetrating material 13.5 mi. Oviedo-Geneva and Oviedo-Chuluota Rds.; 12,000 bonds for bridge over St. Johns River at Osteens Ferry. F. T. Williams, Sanford, engr.

Ohio—Dept. Highway and Pub. Wks., Columbus, cancelled all bids which were to have been opened March 27 grading, bridging and paving 0.5 mi. Sect. "Van Buren" Findlay-Bowling Green Rd., Hancock Co., bituminous concrete. $32,587. 2.05 mi. Sect. "G-3" Marion-Marysville Rd., Marion Co., bituminous concrete. $54,892. bituminous macadam. $45,638. L. C. Herrick, dir. highways. Noted March 23.

O., Akron—E. A. Zeisloft, dir. Pub. Serv., opens bids about May 1, paving and laying sidewalks on Newton St. and adjoining streets, ¾ mi. long. $110,000. E. A. Kemmler, 300 Delaware Bldg., engr. Noted March 2.

O., Dayton—Plans grading, graveling, curbing and guttering Ernst St. from Newport to Riverside Sts., $9,807, Yoncker St. from Oxford St. to corporation line, $7,021; paving 3rd St. Bridge from Bank St. to Sunset Ave., 2,700 sq.yd. vitr. brick, asphalt filler, $13,932. I. E. Houk, city engr.

O., New Philadelphia—Plans improving pavements on 5 streets and 4 alleys. $191,113. G. E. Arnold, city engr.

Ill., Freeport—Soon takes bids paving West Mosely St. from Walnut to West Ave., and South Pine Ave. from Mosely to American St., 4,634 cu.yd. excav., 8,930 sq. yd. portland cement concrete, 6,220 lin.ft. curb and gutter, 170 ft. 12 in. and 500 ft. 18 in. storm sewer, etc. $34,600. C. S. Hepner, Freeport, engr.

Ill., Quincy—Making plans and opens bids about May 1, paving Monroe St. from 6th to 12th St., bituminous macadam on rein.-con. $50,488. L. L. Harper, Quincy, engr.

Ill., Rock Island—Plans resurfacing 5th Ave., asphaltic concrete on repaired concrete. $25,000. W. Triechler, City Hall, engr.

Ill., Waukegan—Lake Co. having revised plans prepared paving 34,725 ft. Milwaukee St. to center of city, 18 ft. $121,183. C. M. Powell, Waukegan, engr. Noted Sept. 1.

Ia., Elkader—Clayton Co. opens bids latter part of month grading and necessary bridge work on 23.5 mi. Primary Rds. 13 and 56, 370,000 cu.yd. earth, 20,000 cu. yd. loose rock and 56,000 cu.yd. solid rock excav. W. N. Cordiner, Elkader, engr.

Ia., Grundy Center—Grundy Co. opens bids latter part of month grading and bridging 23 mi. Primary Rds. 14 and 18, 186,000 cu.yd. excav., 50,000 ft. 6-10 in. tile. E. V. Crary, Waterloo, engr.

Ia., Marshalltown—Marshall Co. making plans grading and necessary bridge work on 8 mi. Primary Rd. 14. D. Elder, Marshalltown, engr.

Ia., Newton—Jasper Co. making plans and soon receives bids grading 25-30 mi. Primary Rds. 2, 7 and 64. Quantities for Project 7 (only) 138,537 cu.yd. excav., 25,950 lin.ft. 6-10 in. tile. R. McMurray, Newton, engr.

Ia., Waterloo—Blackhawk Co. plans grading 8 mi. Primary Rd. Project 164, Sect. B, Logan Ave. Rd. $125,000. W. D. Johnston, Waterloo, engr.

Ia., Waverly—Bremer Co. making plans and opens bids latter part of April, grading and bridge work on 9.75 mi. Primary Project 1911, Primary Rd. 93, Tripoli-Sumner. 113,000 cu.yd. excav., 50,000 ft. 6-10 in. tile. C. A. Cool, Waverly, engr.

Minn., Benson—Swift Co. plans paving 4 mi. Trunk Highway 10 between Benson and Clontarf, 20 ft., concrete. $105,000. State Hy. Dept., St. Paul, engrs.

Minn., St. Paul—Plans widening Robert St. from Central Ave. to University Ave. and University Ave. from Robert St. to Park Ave., also concrete bridge on University Ave. and Cedar St., 80 ft. span, 60 ft. wide. $300,000. O. Claussen, city engr.

Neb., Lincoln—Plans grading, paving, curbing, guttering and relaying sidewalks in Paving Dist. 479, P St. from 24th to 27th Sts.; Paving Dist. 478, 34th and Randolph Sts. G. Bates, city engr.

Missouri—State Hy. Dept., Jefferson City, plans 5.596 mi. road from Doniphan to Poplar Bluff, Federal Aid Project 91, Sect. B, Ripley Co., 26,022 cu.yd. excav., 3,768 cu.yd. borrow, 124.6 cu.yd. concrete masonry, 40,303 sq.yd. gravel surfacing, etc. $42,266. A. Graham, state highway engr.

Mo., St. Charles—Making plans paving Main, Clay and Clark Sts., et al., vitr. brick on concrete. $25,000. M. Edwards, St. Charles, engr.

Mo., Williamsburg—Callaway Co. (Fulton) making plans paving roads in Williamsburg Special Rd. Dist., here, concrete. $75,000. W. P. Divers, Fulton, engr.

Tex., Center—Shelby Co. making plans grading, gravel surfacing and building timber pile trestle bridges on 6 mi. State High-

Streets and Roads (Continued)

way 35 from Timpson to Nacogdoches Co. line, 47,000 cu.yd. gravel surfacing, 15,000 cu.yd. earth excav., 120 cu.yd. concrete, 2,800 lin.ft. timber pile trestle, 12,520 cu.yd. gravel surfacing. $84,000. I. R. Titus, Timpson, engr. dist. 4.

Tex., Gainesville—Cooke Co. soon takes bids grading and gravel surfacing 8 mi. in Valley View Dist., 16 ft. $50,000. T. E. Huffman, Denton, engr.

Tex., Georgetown—Williamson Co. making plans grading, gravel surfacing and topping 5.4 mi. Taylor-Austin Rd., 205 cu. yd. concrete, 49,211 sq.yd. ⅜ in. bituminous macadam, 19,936 cu.yd. roadway, 6,808 cu. yd. gravel surfacing. $73,032. R. A. Nichols, co. engr.

Tex., La Grange—Fayette Co. making plans grading, gravel surfacing and building bridges on 8 mi. State Highway 3, La Grange-Precinct 4 Rd., 16 ft.

Tex., Vernon—Wilbarger Co. making plans grading, surfacing and building bridges on 11.13 mi. State Highway 5, 55,000 cu.yd. earth excav., 590 cu.yd. concrete, 104,473 sq.yd. rein.-con. pavement, 33,054 lb. reinforcing. $406,950. J. B. Nabors, co. engr.

Tex., Wharton—Wharton Co. making plans grading and building bridges 24 mi. State Highway 12 from west line Precinct 1 to Jackson Co. line, 2,200 cu. yd. concrete, 192,000 cu. yd. earth and 1,180 cu. yd. structural excav., 77,500 lb. reinforcing. $120,000. Nagle-Witt-Rollins Eng. Co., Wharton, engrs.

N. M., Las Cruces—Dona Ana Co. voted $60,000 bonds for road construction and bridge across Rio Grande at Anthony. H. Yoe, co. engr.

Nevada—State Hy. Dept., Carson City, plans paving 2.25 mi. road in Sparks, 0.5 mi. in Carson, 2 mi. in Fallon, 1.25 mi. in Yerington and 2.7 mi. in Elko, 6 in. concrete, all 18 ft. G. W. Borden, state highway engr.

Cal., Antioch—Having plans prepared paving 14 blicks, 5 in. cement concrete. E. P. Easley, town engr.

Cal., Colusa—Colusa Co. voted $795,000 bonds graveling 36 mi. and paving 50 mi. roads.

Cal., Fresno—Fresno Co. having plans prepared and probably takes bids in May, paving 5 mi. Shaw Ave., probably asphaltic concrete, $113,000; 5,558 ft. Ventura Ave., 100 ft. wide, asphaltic concrete, $115,000. C. P. Jensen, co. engr.

Cal., Fresno—Having plans prepared improving Lucrene Lane between Olive and Florodora Aves., 54,657 sq.ft. grading, 49,836 sq.ft. 1½ in. warrenite on 3½ in. asphaltic concrete, 2,493 lin.ft. curbing, 4,629 sq.ft. guttering, 11,732 sq.ft. sidewalks, etc.; Alta Ave. between Hazelwood and South 4th St., 68,199 sq.ft. grading, 63,881 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete, 630 lin.ft. curbing, 4,164 sq.ft. guttering, 3,741 sq.ft. walks, etc. W. Stranahan, city engr.

Cal., Lodi—Had plans prepared improving Sacramento St., 49,682 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete, 55,124 sq.ft. grading, 3,110 lin.ft. concrete curbs and 3,887 sq.ft. concrete gutters; Tokay St., 127,575 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete, 139,328 sq.ft. grading, 6,336 lin.ft. concrete curbs and 7,760 sq.ft. concrete gutters. L. F. Barzellotti, city engr.

Cal., Oakland—Had plans prepared grading, curbing and paving Telegraph Ave. from 52nd St. north to city limits, 272,040 sq.ft. grading, 8,835 lin.ft. concrete curb, 9,417 sq.ft. concrete gutter, 261,790 sq.ft. asphaltic concrete pavement, etc. W. W. Harmon, city engr.

Cal., Pasadena—Election soon to vote on $825,000 bonds constructing various streets. B. Chamberlain, city clk.

Cal., Redwood City—San Mateo Co. plans constructing Eastside Highway, probably concrete. $718,850. G. A. Kneese, surv.

Cal., Richmond—Rejected blds improving Lincoln and McBryde Aves. H. D. Chapman, city engr. Noted March 16.

Cal., San Anselmo—Having plans prepared and soon takes bids paving various streets in Barber Tract. $33,500. J. C. Oglesby, Cheda Blk., San Rafael, engr.

Cal., San Diego—Common Council directed F. A. Rhodes, city engr., to submit plans and specifications for paving 2½ in. asphaltic concrete base, 1 in. surface, A, Ash, Beech, Cedar, Date, Elm, Fir, Juniper, Kalmia, Brant, Curlew, Union and Columbia Sts.

Cal., San Mateo—To vote on $100,000 bonds paving all street intersections and constructing 2 concrete bridges over San Mateo Creek. S. Whitehead, city engr.

Ont., London—Middlesex Co. having plans prepared grading and improving roads, new concrete highways and culverts. $200,000. Prices wanted on all materials. C. Talbot, County Bldgs., engr.

Ont., Sandwich—Gooil Rds. Com. Essex Co., takes bids in June, grading and improving roads, new concrete highways, and new culverts and bridges. $575,000. Prices wanted on all materials. W. P. Coyle, Sandwich, engr. Noted Feb. 23.

BIDS DESIRED

Massachusetts—April 11 by State Hy. Dept., Boston, paving highway, Southwick, Hampton Co., 274,910 gal. bituminous material, 35,210 cu.yd. earth and 1,300 cu.yd. rock excav. $325,000. A. W. Dean, engr.

Conn., Manchester—April 10 by Bd. Selectmen, concrete sidewalks, curbs and street crossings in various streets. $30,000. J. F. Bowen, town engr.

New York—April 14, by H. S. Sisson, comr. State Hy. Dept., Albany, improving highways in Cortland, Erie, Jefferson, Lewis, Oneida, Tompkins and Wyoming Counties; reconstructing highways in Erie, Livingston and Ontario Counties. J. C. Finch, secy.; adv. this issue.

N. Y., Auburn—April 18, by J. P. Jaechel, city mgr., improving Grant and Hamilton Aves., Hoffman, North Park and North Division Sts. M. F. Dullea, city engr., adv. this issue.

N. Y., S. I., St. George—April 11, by M. J. Cahill, pres. Richmond Boro, Boro Hall, repaving roadway of Richmond Terrace from York Ave. to Sailors Snug Harbor Dock, granite block.

N. Y., Watervliet—April 14, paving various streets, rein.-con. To exceed $25,000. Address K. V. Moran, clk.

N. J., Mount Holly—April 28, by Bd. Freeholders Burlington Co., reconstructing Sect. 4 River Rd., in Beverly and Burlington Twps., sheet asphalt on macadam. B. H. Wills, Kelsey and Killie Bldg., co. engr.; adv. this issue.

N. J., Woodbury—April 18, by Bd. Freeholders Gloucester Co., resurfacing portion of Westville-Glassboro Rd., Deptford and Washington Twps., sheet asphalt on present foundation. W. C. Cattell, co. engr.; adv. this issue.

Pa., Ebensburg—April 21, by Supervisors Richland Twp., c/o Controller Cambria Co., paving 1.52 mi. Colomon Run Rd., vitr. brick on concrete. S. E. Dickey & Co., 809 Johnstown Trust Bldg., Johnstown, engrs.

Pa., Franklin—April 24, at office J. G. Crawford, city clk., resurfacing 13,000 sq. yd. old brick pavement and constructing 13,000 sq.yd. new brick; adv. this issue.

Maryland—April 18 by State Hy. Dept., Baltimore, sections highway in Baltimore Co. Contr. B-12B and BW-11, in Prince Georges Co. Contr. BW-12, sheet asphalt on reconstructed base. J. N. Mackall, chn.; adv. this issue.

Va., Norfolk—April 7, by W. H. Taylor, dir. Pub. Wks., Armory Bldg., improving sections Moran Ave., Plume, Clifton, Blow, 20th, 37th, 40th and 44th Sts., 22,799 sq.yd. sheet asphalt, 2,790 lin.ft. new granite curb, 3,180 lin.ft. concrete curb and gutter combined, 4,600 lin.ft. old granite curb reset, 2,500 lin.ft. granite headers, 937 sq.yd. old brick gutters relaid. W. E. Rew, Armory Bldg., city engr.

North Carolina—April 25, by State Hy. Comn., Raleigh, building roads, Project 446, Lee Co.; 629 and 647, Catawba and Lincoln Counties; 990, Transylvania Co.; 187, Pitt Co.; 326, Columbus Co.; 600, Alexander Co.; bridge, Project 503, Alamance Co.; adv. this issue.

N. C., Waynesville—April 12, by Haywood Co. Highway Comn., grading and paving 4.27 mi. road, 45,000 sq.yd. grading, 45,000 sq.yd. plain concrete, rein.-con., or asphaltic pavement, $128,000; 4.53 mi. road, 47,000 sq.yd. grading, 47,000 sq.yd. plain concrete, rein.-con. or asphaltic pavement, $130,000. H. A. Osborne, chn.

S. C., Beaufort—April 18, by Comrs. Beaufort Co., grading and surfacing 15.11 mi. road from Hardeville to Bluffton, 70,000 cu yd. excav., 37,196 cu.yd. sand clay. J. G. Hutson, Beaufort, engr.

Fla., Kissimmee—April 15, by Comrs. Osceola Co., paving 10 mi. roads in Special Rd. Dist. 4, rock and asphalt or rock and bituminous macadam. $80,000. J. Johnston, Kissimmee, engr. Noted March 2.

Fla., Tampa—April 11, paving and curbing ¾ mi. South Albany and Packwood Sts. et al., 11,600 sq.yd. block asphalt, 7,540 lin.ft. concrete curbing. $30,000. R. D. Martin, city engr.

Fla., Tavares—April 27, by Comrs. Lake Co., grading and surfacing with shell or clay 19 mi. Altoona-Astor Rd. G. E. Heller, Tavares, engr.

Fla., Williston—April 18, paving various streets, ¾ mi. brick or asphalt block, 1½ mi. rock base with asphaltic surface, 3¾ mi. concrete curbing. E. Drake, Room 20, Holder Bldg., Ocala, engr.

Louisiana—April 17, by State Hy. Dept., Baton Rouge, gravel surfacing 18.5 mi. St. Joseph-Somerset Highway, Tensas Parish. J. M. Fourney, state engr.

Tennessee—April 21, by State Hy. Dept., Nashville, 7.7 mi. State Highway 4 between Anderson Co. line and Jackboro, Federal Aid Project 37-A, Campbell Co., 78,775 cu.yd. common and 575 cu.yd. solid rock excav., 1,322 cu.yd. borrow, 14,875 sta.yds. overhaul, 81,623 sq.yd. 2½ in. bituminous macadam penetration surface course, 778.07 cu.yd. concrete, 83,889 sq.yd. standard hand placed coarse stone base; 5.75 mi. State Highway 1 between Cannon Co. line and McMinnville, Federal Aid Project 65 B, Warren Co., 41,324 cu.yd. common excav., 60,732 sq.yd. 2½ in. bituminous macadam surface, 144 lin.ft. 18 in. corrugated metal pipe. D. Q. McComb, Nashville, co. engr.

Tenn., Cleveland—April 19, at City Hall, improving streets in Impvt. Dists. 11, 16, 17, 18, 21, 22, 23, 24, 25 and 26. S. D. Newton, civil and municipal engr.; adv. this issue.

Ohio—April 10, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Allen Sect. "A-1" West Minster-New Hampshire Rd., 1.051 mi., Kentucky rock asphalt, $34,106, bituminous macadam either asphalt or tar, $28,304, rein.-con., $39,065.

Darke Co., Sect. "A" Greenville-Union City Rd., 4.376 mi., brick, $168,718; state to furnish brick, $133,147; rein.-con., $141,018; bituminous macadam, $155,642.

Mahoning Co., Sect. "C" Youngstown-East Liverpool Rd., 3.33 mi., plain concrete, $103,310; bituminous macadam either asphalt or tar, $104,045.

Knox Co., State Sanatorium Rd., 0.734 mi., monolithic brick, $19,595; state to furnish brick, $14,795.

Richland Co., Sect. "K" Mansfield-Mt. Gilead Rd., 3.476 mi., plain concrete, $132,713; brick, $162,700; state to furnish brick, $132,157.

Scioto Co., Sect. "I-2" Portsmouth-Columbus Rd., 0.276 mi. brick, $24,939; state to furnish brick, $22,016.

Van Wert Co., Sect. "K" Van Wert-Paulding Rd., 6.168 mi., plain concrete, $132,426; bituminous macadam, either asphalt or tar, $196,093; willite, $230,239. L. C. Herrick, dir. highways.

Ohio—April 14, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Auglaize Co., Sect. "D" Bellefontaine-Wapakoneta Rd., 1.557 mi., rein.-con., $47,358; bituminous macadam, either asphalt or tar filler, $38,532.

Geauga Co., Sect., "C" Cleveland-Burton Rd., 4.97 mi., waterbound macadam. $112,047. (Former date of opening cancelled.)

Jackson Co., Sect. "L" Chillicothe-Jackson Rd., 4.318 mi., rein.-con., $148,868; bituminous macadam, either asphalt or tar filler, $131,482.

Jackson Co., Sect. "M" Chillicothe-Jackson Rd., 1.921 mi., rein-con., $58,482; bituminous macadam, either asphalt or tar, $55,223.

Lake Co., Sect. "A" Painesville-Ravenna Rd., 4.53 mi., rein.-con., $108,062.

Miami Co. Sect. "D" Greenville-Covington Rd., 3.875 mi., brick, $135,315; state to furnish brick, $105,099; rein.-con., $115,259; Kentucky rock asphalt, $128,361; bituminous macadam, $128,295.

Miami Co., Sect. "A" Piqua-Covington Rd., 4.235 mi., brick, $148,072; state to furnish brick, $118,519; rein-con., $121,662; Kentucky rock asphalt, $117,398; bituminous macadam, $129,741. L. C. Herrick, dir. highways. Noted March 23.

Ohio—April 18, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Defiance Co., Sect. "A" Defiance-Holgate Rd., 3.581 mi., rein.-con., $102,584; Kentucky rock asphalt, $99,146; bituminous macadam, either asphalt or tar, $86,736.

Streets and Roads (Continued)

Defiance Co., Sect. "A" Payne-Hicksville Rd., 2.024 mi., rein-con., $59,907; Kentucky rock asphalt, $58,634; bituminous macadam, either asphalt or tar, $51,687.

Geauga Co., Sect. "A" Hampden-Andover Rd., 2.18 mi., waterbound macadam, $48,280.

Mercer Co., Sect. "Celina" Celina-Greenville Rd., 0.318 mi., brick, $16,517; state to furnish brick, $11,374; rein.-con., $12,654.

Muskingum Co., Sect. "P" Zanesville-Dresden Rd., 3.91 mi., brick, $168,845; state to furnish brick, $130,069; bituminous macadam, either asphalt or tar, $138,425. (Former date of opening cancelled.)

Trumbull Co., Sect. "L" Niles-Ashtabula Rd., 3.13 mi., brick, $155,403; state to furnish brick, $117,172.

Trumbull Co., Sect. "B" Painesville-Warren Rd., 7.38 mi., brick and concrete, $231,262; brick and concrete, state to furnish brick, $212,800; brick and bituminous macadam, either asphalt or tar, $194,452; brick and bituminous macadam, state to furnish brick, $175,990. L. C. Herrick, dir. highways. Noted March 23.

O., Akron—E. A. Ziesloft, dir. Pub. Serv. receiving bids paving and laying sidewalks on ½ mi. 5th Ave., 27,000 sq.ft. cement sidewalks, 9,000 cu.yd. earth excav., 9,000 sq.yd. vitr. brick on 6 in. concrete, etc., $50,000; 1 mi. South Maple St., 58,000 sq.ft. cement sidewalk, 20,000 cu.yd. earth excav., 18,000 sq.yd. vitr. brick on 6 in. concrete, $110,000; ½ mi. Salome, Delia, Doyle and Carterton Sts., $50,000. E. A. Kemmler, 300 Delaware Bldg., engr.

O., Bucyrus—April 11, paving 5,500 sq.yd. Lane St. F. L. Niederheiser, city civil engr.

O., Garfield Heights (Cleveland P. O.) April 10, grading and paving East 106th St., Homeworth and Wolf Aves., brick, asphalt or cement. $40,000. R. Munz, Town Hall, engr. Noted Sept. 8.

Ind., Ft. Wayne—April 18 by Comrs. Allen Co., grading and paving 14,993 ft. Aboite Rd., 18 ft., stone. $24,400.

Ind., Scottsburg—April 15, by Comrs. Scott Co., grading and paving 21,320 ft. County Unit Rd. No. 2, 16 ft., stone. $48,964.

Michigan—April 11, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 90-1, Sect. B, 14,506 cu.yd. excav., 23,708 sq.yd. stone-gravel, also 4.945 mi. State Trunk Line Rd. 12-36, 38,576 cu. yd. excav., 146,417 sq.yd. gravel, both Dickinson Co. F. F. Rodgers, Lansing, state engr.

Michigan—April 12, by State Hy. Dept., Lansing, grading and surfacing 7.794 mi. Federal Aid Project 47, Sect. D, Van Buren Co., 27,110 cu.yd. excav., 81,132 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rodgers, Lansing, state highway engr.

Michigan—April 13, by State Hy. Dept., Lansing, grading and surfacing 3.562 mi. State Trunk Line Rd. 18-16, Roscommon Co., 12,973 cu.yd. excav., 33,354 sq.yd. gravel. F. F. Rodgers, Lansing, state highway engr. Noted March 23.

Michigan—April 14, by State Hy. Dept., Lansing, grading and surfacing 9.829 mi. Federal Aid Project 29, Sect. A Calhoun, 21,680 cu.yd. excav., 104,383 sq.yd. asphalt, concrete, or bituminous concrete; 2.915 mi. State Trunk Line Rd. 14-3, Sect. B, Missaukee Co., 14,897 cu.yd. excav., 27,067 sq.yd. gravel. F. F. Rodgers, Lansing, state highway engr. Noted March 23.

Michigan—April 19, by State Hy. Dept., Lansing, grading and surfacing 3.182 mi. Federal Aid Project 47, Sect A, Cass Co., 33,490 sq.yd. concrete. F. F. Rodgers, Lansing, state engr.

Michigan—April 21, by State Hy. Dept., Lansing, grading and surfacing 8.626 mi. Federal Aid Project 54, Sect. C, 24,526 cu. yd. excav., 90,983 sq.yd. asphalt, concrete or bituminous concrete, also 2.97 mi. Federal Aid Project 54, Sect. A, 7,467 cu.yd. excav., 31,368 sq.yd. asphalt, concrete or bituminous concrete, both Shiawassee Co. F. F. Rodgers, Lansing, state engr.

Ill., Danville—April 19, Bd. Supervs. Vermilion Co., paving 15-D roads, Sects. T, U, V, W, X and Y, brick or concrete. J. R. Moore, clk.; adv. this issue.

Wis., Elkhorn—April 12, by H. J. Peters, comr. Walworth Co. Road and Bridge Com., concrete surfacing 3.8 mi. Elkhorn-East Troy Rd., 12,961 cu.yd. earth excav., 55,611 sq.yd. concrete, 9,200 lb. reinforcing, 13,000 bbl. cement in place; 3.8 mi. Lake Geneva-Springfield Rd., 16,949 yd. earth excav., 41,862 yd. concrete surfacing, 13,000 bbl. cement in place. Wisconsin Highway Comn., Milwaukee, engrs.

Wis., Waukesha—April 11, by C. J. Hahn, comr. Waukesha Co. Road & Bridge Com., 5.8 mi. Waukesha—Templeton Rd., 17,625 cu.yd. earth excav., 272 cu.yd. concrete in bridges and culverts, 55,200 sq.yd. 16 ft. concrete surfacing 17,700 bbl. cement in place, 13,200 lb. reinforcing; 1 mi. Butler-New Butler Rd., 3,575 cu.yd. earth excav., 73.4 cu.yd. concrete in culverts and bridges, 10,800 sq.yd. 18 ft., concrete surfacing, 13,500 lb. reinforcing, 3,450 bbl. cement in place; 3.4 mi. Milwaukee-Burlington Loomis Rd., 14,300 cu.yd. earth excav., 132 cu.yd. concrete in bridges and culverts, 35,750 sq.yd. 18 ft. concrete surfacing 11,400 bbl. cement in place, 15,825 bbl. reinforcing; 4.2 mi. Stone Bank-North Lake Rd., 9,000 yd. gravel surfacing, 25,000 cu.yd. earth and 150 cu.yd. borrow excav. Wisconsin Highway Comn., Milwaukee, engrs.

Wis., Wauwatosa—April 12, 58,439 sq.yd. asphalt pavement on 12 streets. J. E. Lowther, city engr.

Wis., Wauwatosa—April 21, by Bd. Pub. Wks., 8th Ave. from East Milwaukee Ave. to State St., 7,090 sq.yd. concrete pavement integral curb, 6,115 sq.yd. light traffic asphalt on concrete or bitulithic concrete on concrete, using (a) coal tar (b) asphaltic cement, 2,900 lin.ft. concrete curb and gutter; 8th Ave. from East Milwaukee to North Aves., 11,650 cu.yd. grading, 11,680 sq.yd. concrete pavement integral curb and gutter, 10,077 sq.yd. light traffic asphalt on concrete or bitulithic concrete on concrete, using (a) coal tar (b) asphaltic cement, 6,350 lin.ft. concrete curb and gutter; East Center St. from 7th to 8th Aves., 2,600 cu.yd. grading, 800 yd. concrete pavement, integral curb and gutter, 776 yd. light traffic asphalt on concrete or bitulithic concrete on concrete using (a) coal tar, (b) asphalt cement, 515 lin.ft. concrete curb and gutter; Vista Ave. from 8th to 12th Aves., 7,670 yd. grading, 4,020 yd. concrete pavement, integral curb and gutter, 2,260 yd. light traffic asphalt on concrete or bitulithic concrete on concrete, using (a) coal tar (b) asphalt cement, 2,600 lin.ft. concrete curb and gutter; Red Arrow Court from Greenfield to Robertson Sts., 1,530 yd. grading, 2,015 yd. concrete, integral curb and gutter, 1,670 yd. light traffic asphalt on concrete or bitulithic concrete on concrete, using (a) coal tar, (b) asphalt cement, 1,430 lin.ft. concrete curb and gutter. J. E. Lowther, City Hall, engr.

Streets and Roads Contracts

March 1922	46,369,000
March 1921	25,880,000
March 1920	26,220,000
March 1913	4,218,000

The star exhibit—four times heavier than last month—are you getting your share of road work?

Ia., Ft. Dodge—April 11, paving 10,000 sq.yd. various streets, aspnaltic concrete, Class A and B, bitulithic or portland cement. $30,000. W. L. Tank, clk. Noted March 16.

Minn., Mankato—April 18 by Blue Earth Co., 6 mi. Job 2201, State Rd. 5, 40,615 cu. yd. excav., 28,650 cu.yd. overhaul, 4,600 lin.ft. 6 in. tile, 30 ft. span concrete bridge; 6.5 mi. Job. 2202, State Rd. 2, 67,935 cu.yd. excav., 102,800 cu.yd. overhaul, 8,750 lin.ft. 6-12 in. tile; 2 mi. Job 2204, State Rd. 2, 16,709 cu.yd. excav., 25,170 cu.yd. overhaul; 2 mi. Job 2205, State Rd. 11, 23,825 cu.yd. excav., 124,610 cu.yd. overhaul. $40,000. N. Moe, Mankato, engr.

Minn., Owatonna—April 19 by G. Griffin, aud. Steele Co., Job 2201, State Aid Plans 73-102, 66,500 cu.yd. excav., 283 cu.yd. rein.-con. culverts, 224 lin.ft. corrugated metal culverts. $25,000. R. W. Hosfield, Owatonna, engr.

Minn., St. Paul—April 24 by Ramsey Co., paving 2.6 mi. New Brighton Rd. from South Snelling Ave. to west town line, concrete, $66,000; grading and gravel surfacing 1.25 mi. Silver Lake Rd. to Rice Creek Rd., $6,000. G. Ries, aud. R. R. Godfrey, Co. surv. Noted Jan. 19.

Missouri—April 18, by State Hy. Dept., at div. office Butler, 5.142 mi. road from Amoret to Appleton, State Aid Project 20,151 Bates Co. $25,000. A. Graham, Jefferson City, state highway engr. Noted March 23.

Missouri—April 21, by State Hy. Dept., at div. office Savannah, 8.03 mi. road from Savannah southward, etc., State Aid Project 20.121, Andrew Co. $46,043. A. Graham, Jefferson City, state highway engr. Noted March 30.

Missouri—April 21, by State Hy. Dept. at div. office Steelville, 5.193 mi. road from Steelville southeastward, State Aid Project 20.149, Crawford Co. $27,021. A. Graham, Jefferson City, state highway engr. Noted March 30.

Tex., Barstow—April 12, by D. E. H. Marigault, state div. engr. at Monahans, Ward Co., grading and surfacing 12.5 mi. State Highway 1, Federal Aid Project 263, 2,411 cu.yd. borrow and 34,303 cu.yd. roadway excav., 9.9 cu.yd. concrete, 33,576 cu. yd. caliche and 16,235 cu.yd. gravel surfacing. $109,800. R. E. Booker, Monahans, state resident engr. Noted Jan. 26.

Nevada—April 12, by Directors State Hy. Dept. Carson City, grading 1 mi. and paving 3.48 mi. Lincoln Highway, Carson City to Lakeview, 6 in. concrete, Ormsby Co., 1,900 cu.yd. excav., 30,617 sq.yd. cement concrete pavement, etc.; grading and gravel surfacing 16.1 mi. Zola-Humboldt House Rd., Pershing Co., 16,000 cu.yd. loading gravel, 34,150 yd. mi. haul gravel and 16,000 cu.yd. spreading gravel; 2.37 mi. road near Cradlebaughs Bridge, Douglas Co., 21,000 cu.yd. excav., 95 cu.yd. Class A and 20 cu.yd. Class B concrete, 3,800 cu.yd. screening and loading gravel, 9,500 yd. mi. haul gravel 20,850 sq.yd. spreading and compacting gravel. G. W. Borden, state highway engr.

Wash., Tacoma—April 14, by Pierce Co., clearing, gravel surfacing and constructing timber trestle on 2.5 mi. Fairfax-Forest Reserve Rd. E. A. White, co. engr.

California—April 24, by State Hy. Comn., Sacramento, paving 3.6 mi. highway between San Luis Obispo Creek and Cuesta, San Luis Obispo Co., portland cement concrete. A. B. Fletcher, state highway engr.

Cal., San Francisco—April 12, by Bd. Pub. Wks., curbing and paving streets in Mission Terrace, 15,980 lin.ft. concrete curbs and 300,540 sq.ft. asphaltic concrete pavement. $100,000. M. M. O'Shaughnessy, city engr. Noted Feb. 16.

Ont., Kingsville—April 17, by W. G. Long, 40,000 sq.yd. concrete asphalt pavement. Prices wanted on all materials.

BIDS RECEIVED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, opened bids March 28, repairing 2.1 mi. Repair Contr. 1342, Highway 5312, Allegany Co., from Greenfield Constr. Co., 89 Main St., Hornell, $49,872. Yesu & Farone, Binghamton, $51,752. Forness & Fote Co., Olean, $53,324; 4.71 mi. Repair Contr. 1338, Highway 704, Chenango Co., from Guile & Ellsworth, New Berlin, $59,773. DeGraff & Hogeboom, Inc., Kingston, $61,524. E. Gould, Brooklyn, $62,760; 2.34 mi. Repair Contr. 1340, Highway 951, Delaware Co., from DeGraff & Hogeboom, Kingston, $32,433. Schunnemunk Constr. Co., Highland Falls, $33,482. A. V. Manley, 32 Cortland St., Norwich, $33,992; 3.67 mi. Repair Contr. 1341, Highway 527, Erie Co., from Tyne & Willey, Binghamton, $94,804. Ford & Keyser, Batavia, $95,029. Connelly Constr. Co., Buffalo, $95,545; 1.89 mi. Repair Contr. 1334, Highway 931, Oneida Co., from J. E. Flood Co., Hudson Falls, $54,945. W. F. Cogley, 29 Warren Ave., Utica, $56,308. Koetteritz & Blakeslee, 547 East Main St., Little Falls, $57,198; 1.92 mi. Repair Contr. 1335, Highway 5252, Ontario Co., from Dale Eng. Co., Mann Bldg., Utica, $36,079. Rochester Vulcanite Pavement Co., 30 Monroe St., Rochester, $39,176; 4.05 mi. Repair Contr. 1343, Highway 966, St. Lawrence Co., from DeGraff & Hogeboom, Inc., Kingston, $56,589. W. T. Thayer & Co., Chateaugay, $57,459. H. Burgard Co., 1968 Fillmore Ave., Buffalo, $57,836; 1.38 mi. Repair Contr. 1347, Highway 1028, Schenectady Co., from O'Day & Ambrose, Binghamton, $32,612. J. B. Dower, Ballston Spa., $34,733. J. E. Connors Co., Inc., 137 Jay St., Schenectady, $34,810. Noted March 16.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids March 30, grading, curbing, laying sidewalks and gutters on (1) Tiemann Ave., grading (2) 107th Ave. (Atlantic St.), grading, laying sidewalks and

Streets and Roads (Continued)

paving (3) 160th (Washington) St., curbing, recurbing, flagging, reflagging and paving (4) 14th St., from F. J. Clancy, Inc., 460 Lockwood St., (1) $8,170, (4) $14,505; R. A. Hess, Inc., 14 Queens St., Astoria, (1) $8,765; Welsh Bros. Contg. Co., 14 Queens St., Astoria, (1) $9,630; H. E. Kordes Co., Inc., 2577 Cooper St., Brooklyn, (2) $7,326; Peace Bros., Inc., 20 Main St., Flushing, (2) $7,567, (3) $1,845; Kennedy & Smith, Inc., 93 Amity St., Flushing, (2) $8,387, (4) $15,025; Tuohey & Upton, Inc., 98 Main St., Flushing, (3) $1,932; H. J. Mullin Contg. Co., Inc., Jamaica Ave. and 144th St., Jamaica, (3) $2,157; J. P. Dugan Co., 10 Court Sq., (4) $14,117. Noted March 23.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids March 31, repairing (1) sheet asphalt pavements in 1st and 2nd Wards, grading (2) Newtown Rd., grading, curbing and laying sidewalks on (3) Sunswick St., from Sicilian Asphalt Paving Co., 41 Park Row, New York, (1) $23,374; Uvalde Asphalt Paving Co., 1 Bway., New York, (1) $24,792; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (1) $24,832; Welsh Bros. Contg. Co., 32 Queens St., (2) $2,297, (3) $4,007; Peace Bros., Inc., 20 Main St., Flushing, (2) $2,912; C. Kurth, 9519 126th St., Richmond Hill, (3) $4,007; F. J. Clancy, 460 Lockwood St., Astoria, (3) $4,930; Kennedy & Smith, Inc., 93 Amity St., Flushing, (3) $4,597. Noted March 23.

N. Y., New York—H. Bruckner, pres. Bronx Boro, opened bids March 28, repaving (1) White Plains Rd., paving (2) Harlem River Terrace, grading and curbing, etc., (3) White Plains Rd., (4) 172nd St., (5) Sackett Ave., (6) Maclay Ave., (7) Hone Ave., (8) Tomlinson Ave. (Monroe Ave.), rebuilding existing concrete culvert across and under (9) Gun Hill Rd. near Wickham Ave., storm water drain in (10) Dyre Ave., from Casper Helbock Co., 633 Wales Ave., (1) $430,708; Asphalt Constr. Co., 208 Bway., (1) $430,872, (2) $5,480; O'Rourke Contg. Co., 150 Nassau St., (1) $436,944; C. D. Beckwith, Inc., 2875 Bway., (2) $4,949; Brusstar Constr. Co., Inc., Harlem River and 150th St., (2) $5,199; Knight & DeMicco, 448 East Tremont Ave., (3) $27,503; McLaughlin & Buckley, 337 East 134th St., (3) $29,746, (6) $1,731, (7) $8,018, (8) $7,558, (10) $10,985; Beaver Eng. & Contg. Co., 51 Chambers St., (3) $29,990; P. J. Kearns Contg. Co., 2306 Creston Ave., (4) $8,738; Estates Contg. Co., (4) $9,097, (5) $8,576, (6) $1,849, (10) $11,848; J. L. Brennan, 839 Gerard Ave., (4) $9,099, (6) $2,120; C. Del Blasio, 339 7th Ave., Mt. Vernon, (5) $8,079, (10) $13,820; Spadaro Contg. Co., 827 East 217th St., (5) $8,501, (7) $7,428, (8) $7,584; Ames Transfer Co., 3457 Kingsbridge Ave., (7) $7,149, (8) $7,174; M. J. Rush, 361 East 138th St., (9) $8,782; D. L. Titus, (9) $10,287; J. V. Timoney Constr. Co., 220 East 201st St., (9) $11,440. Noted March 23.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids March 30, repaving (1) Division St., (2) Bleecker St., widening and repaving (3) Grand St., (4) 33rd St., from J. Meehan & Son, 74 Cortlandt St., (1) $26,354, (3) $52,012; M. I. Sachs, 246 South 9th St., Brooklyn, (1) $27,778, (3) $52,629; D. J. McCarthy, 88 Audubon Ave., (1) $27,910; W. J. Fitzgerald, 547 West 45th St., (2) $25,689; Brusstar Constr. Co., Inc., Harlem River and 150th St., (2) $25,729; Uvalde Asphalt Paving Co., 1 Bway., (2) $26,846; P. J. Kearns Contg. Co., 2306 Creston Ave., (3) $48,704, (4) $18,462; Regan Towers Co., 124 West 121st St., (4) $18,469; Burnside Contg. Co., 270 Burnside Ave., (4) $19,173. Noted March 23.

Virginia—State Hy. Comn., Richmond, grading 6.19 mi. road between Ripplemeade and Hoges Store, Virginia Project 128 A, from Worden Constr. Co., Pulaski, $119,034; W. W. Boxley & Co., Roanoke, $122,724; Preston, Overstreet & Nance, Bedford, $123,452. Noted Dec. 1.

Alabama—State Hy. Dept., Montgomery, grading and sand-clay surfacing 9.981 mi. road from Geneva to Hartford, Geneva Co., from Lawrence Nixon & Phillips, Jackson, Miss., $36,633, C. E. Shuptrine & Sons, Selma, $36,647, E. Pettus, Montgomery, $37,028; grading and surfacing with gravel, chert and sand-clay, 5.735 mi. from Houston Co. line to Choctawhatchee River, Dale Co., from Dale Co. Court of Comrs., Ozark, $41,965, Gardner Crawford Co., Columbus, Ga., $50,600, A. J. Bell & Co., Dothan, $56,497. Noted March 2.

Alabama—State Hy. Dept., Montgomery, opened bids March 28, grading and sand-clay surfacing 26.096 mi. road from Elba to Geneva Co. line, Coffee Co., from J. B. and J. R. Miller, Baconton, Ga., $90,577, Gardner & Crawford, Columbus, Ga., $94,494, Alabama Constr. Co., Montgomery, $98,354; grading and topsoiling 16.7 mi. from Lafayette to Randolph Co. line Chamber Co., from O. A. Mann & Co., La Grange, Ga., $44,814, Chambers & Co., West Point, Ga., $49,715, W. C. McCoy, La Fayette, $51,237; grading, bridging and gravel surfacing 13.661 miles from Center Star to bridge over Elk River at Limestone Co. line, Lauderdale Co., from Gibson Constr. Co., Knoxville, Tenn., $165,575, Brooks Calloway & Co., Forsythe Bldg., Atlanta, Ga., $180,658, C. G. Kershaw Constr. Co., Woodward Bldg., Birmingham, $184,200; grading and surfacing 14.617 mi. from Elk River to Athens, Limestone Co., (a) bituminous macadam, (b) bituminous concrete, (c) warrenite bitulithic, (d) plain concrete, (e) rein.-con., from A. J. Wardrep, 1717 Highland Ave., Knoxville, Tenn., (a) $384,101, (b) $422,690, (d) $458,751, (e) $489,623, Goodrich & Co., Albany, (a) $406,374, Mills Williams Constr. Co., Winchester, Ky., (a) $427,974, J. A. Kreis, Brabson Ferry Park, Knoxville, Tenn., (b) $485,050, Dunn Constr. Co., Chamber Commerce Bldg., Birmingham, (b) $521,885, (c) $552,756, Alabama Concrete Products Co., Selma, (d) $426,841, (e) $465,430, Southern Roads Co., Amer. Trust Bldg., Birmingham, (c) $553,051. Noted March 2.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids March 27, grading, bridging and paving roads (a) bituminous concrete, oil, (b) bituminous concrete, tar, (c) bituminous macadam, oil A, (d) bituminous macadam, tar, (e) monolithic brick, (f) state to furnish brick, (g) rein.-con., in following counties: Union, Co., Sect. "K" Marysville-Marion Rd., 1.95 mi. from Laubis Stone Co., Kenton, (a) $36,111; O. C. Scott, Ada, (a) $36,249, (b) $36,249; J. W. Carey, Ada, (a) $36,440, (b) $36,440; Losey Rd. Constr. Co., Kenton (b) $37,095. Union Co., Sect. "H" Marysville-Kenton Rd., 4.13 mi., from Ada Constr. Co., Ada, (c) $73,933, (d) $75,751; Losey Rd. Constr. Co., Kenton, (c) $74,084, (d) $75,761; L. G. Rockholt, West Mansfield, (c) $86,446, (d) $86,446. Wayne Co., Sect. "C" Millersburg-Wooster Rd., 1.42 mi., from G. W. Hadley, Canton, (e) $50,171, (f) $35,448, (g) $44,718; Holmes Constr. Co., Millersburg, (e) $50,784. Noted March 23.

Wis., Fond du Lac—Fond du Lac Co. opened bids March 23, concrete surfacing (1) Fond du Lac-Waupun Rd. on Highway 31, (a) Sect. A, (b) Sect. B, (c) Sects. A and B combined, (2) Ripon-Rosendale Rd. on Highway 23, (3) Brandon-Ladoga Rd. on Highway 103, (4) Fond du Lac-Eden Rd. on Highway 55, (5) Kewaskum-Waucousta Rd. on Highway 55, from Widell Co., Mankato, (1a) $136,196, (1b) $130,433, (1c) $259,270, (5) $119,247; Kroening Constr. Co., 221 Grand Ave., Milwaukee, (1a) $146,851, (3) $115,614; M. Martin Constr. Co., Berlin, (1a) $148,329, (4) $144,060; F. Dogerty Co., 753 47th St., Milwaukee, (1b) $134,068, (2) $129,242, (3) $112,154; Peppard & Burrell, Minneapolis, Minn., (1b) $137,078; Brogan & Schaefer, 700 Dousman St., Green Bay, (1c) $259,388, (5) $114,824; Jacobus & Winding Concrete Constr. Co., 1 State St., Wauwatosa, (1c) $269,688, (4) $147,681, (5) $117,621; Lampert Constr. Co., 104 Main St., Oshkosh, (2) $128,047; C. Vanderboom & Sons, 99 32nd St., Milwaukee, (2) $128,741; J. McCarthy Constr. Co., Kaukauna, (3) $116,355; Froemming Bros., 1326 Humboldt Ave., Milwaukee, (4) $141,127. Contracts awarded to lowest bidder on each project. Noted March 16.

Wis., South Milwaukee—Bd. Pub. Wks. paving Lake Ave. from College to Hawthorne Sts., from Kroening Constr. Co., 221 Grand Ave., Milwaukee, $51,930; Clayton Constr. Co., 397 Farwell Ave., Milwaukee, $52,182; J. Cape & Sons, Water St., Racine, $52,880. Noted March 23.

Wis., Stevens Point—Bd. Pub. Wks. and W. Bronson, city clk., opened bids March 30, paving various streets from Cast Stone Constr. Co., 318½ South Barstow St., Eau Claire, concrete, $128,750; W. E. Ule, Stevens Point, brick, $173,000; J. Rissmussen & Son Co., 7th St., Oshkosh, asphalt, $187,250. Noted March 16.

Tex., Ft. Worth—Opened bids resurfacing 9,300 ft. North 25th St. from Azle Ave. to city limits, 38 ft., uvalde rock asphalt, from Genl. Constr. Co., Cotton Exch. Bldg., $0.85 per sq.yd.; McCullum Constr. Co., Texas State Bank Bldg., $0.875.

Colorado—State Hy. Dept., Denver, opened bids March 27, paving road beginning at end of present pavement about 2.6 mi. east of Grand Junction extending 1.363 mi. toward Palisade, Federal Aid Project 183, Mesa Co., from W. B. Cheek, Ft. Collins, $48,086; Monaghan & Cunningham, 1711 Market St., Denver, $49,854; S. E Winterburn, Grand Junction, $56,230. Noted March 23.

Col., Denver—Opened bids March 28, concrete paving (1) 12 blocks Alley Paving Dist. 73, (2) 12 blocks Alley Paving Dist. 72, (3) 12 blocks Alley Paving Dist. 71, from A. J. Collins, Denver, (1) $17,005, (2) $18,297, (3) $20,921; W. W. Axton Constr. Co., 4437 Alcott St., (1) $17,070, (2) $18,887, (3) $21,610; Stack Bros. Constr. Co., 338 South High St., (1) $17,338, (2) $18,732, (3) $20,801. Noted March 23.

Wash., Seattle—Bd. Pub. Wks. opened bids March 31, paving on 1st Ave. and 1st Ave. S., from Jahn & Bressi, Thompson Bldg., (lowest bidder), brick roadway, $311,945; concrete roadway, $263,345; brick railway portion, $337,253; concrete railway portion, $318,278. Noted Feb. 16.

CONTRACTS AWARDED

Massachusetts—State Hy. Dept., Boston, paving 14,000 ft. highway, Palmer and Manson, rein.-con., to D'Onfro Bros., 700 Main St., Leominster, $149,536. Noted March 9.

Massachusetts—State Hy. Dept., Boston, paving 56,000 ft. Newburyport Turnpike, Danvers and Topsfield, 18 ft., rein.-con. and bituminous macadam, to Coleman Bros., Medford St., Charlestown, $503,831; 3,500 ft. highway, Hingham, 18 ft., concrete and bituminous macadam, to J. D'Aloi, Woonsocket, R. I., $37,457. Noted March 9.

New York—H. S. Sisson, comr. State Hy. Dept., Albany, improving 2.47 mi. Highway 1613, Broom Co., to J. C. Haynes, Watertown, $97,620; 5.6 mi. Highway 1613, Broome Co., to Stento & Serafini, 84 Court St., Binghamton, $166,164; 2.84 mi. Highway 1480, Cattaraugus Co., to Cold Spring Constr. Co., Ellicott Sq., Buffalo.

PIER—PORTLAND, ME.

Bids were received by Directors of the Port of Portland, March 10 (lowest \$), for constructing sub-structure of State Pier, from (A) Aberthaw Constr. Co., 201 Marginal St., Chelsea (awarded contract); (B) W. L. Miller Co., 161 Alford St., Boston; (C) C. W. Blakeslee & Sons, 58 Waverly St., New Haven. The unit bids were as follows:

	A	B	C
Removal of timber sheds, wharf deck and deck supports and shed repairs (lump sum)	$826.00	$3,647.00	$20,000.00
Removal of piles (100 piles)	5.00	4.00	5.00
10,000 cu.yd., rehandling material adjacent to Franklin Wharf	0.85	0.60	0.60
400 tons, furnishing and placing riprap	4.08	4.00	5.00
Sorting, storing and caring for Creosoted piles (5,500 piles)	4.00	3.00	4.50
Driving, cutting off and fitting Creosoted piles (5,500 piles)	7.75	10.00	7.50
Furnishing, driving and fitting Oak Fender piles (220 piles)	66.00	75.00	60.00
125 M. ft. B.M., furnishing and placing 2-in. Spruce plank	54.25	70.00	63.50
525 M.ft. B.M., furnishing and placing Yellow Pine 3-in. plank and 6 in. x 12 in. timber	76.00	80.00	77.50
410 M.ft. B.M., furnishing and placing other Yellow Pine Timber	101.00	80.00	86.65
65,000 lin.ft., furnishing and placing rough oak bracing	0.355	0.40	0.43
3,200 cu.yd., furnishing and placing concrete (including forms)	15.15	15.00	19.10
260,000 lb., furnishing and placing reinforcing steel	0.026	0.04	0.045
250,000 lb., furnishing and placing bolts and miscellaneous iron and steel	0.036	0.05	0.06
30,000 lb., furnishing and placing miscellaneous cast iron	0.05	0.08	0.08
1,875 lin.ft., furnishing and placing rails in concrete deck	1.38	2.00	1.00
880 lin.ft., furnishing and placing rails in timber deck	1.50	3.00	2.00
Extended totals	$271,417	$288,887	$313,657

Streets and Roads (Continued)

$96,646; 1.91 mi. Highway 1611, Cattaraugus Co., to G. Metzger, Jr., 12 East 4th St., Emporium, Pa., $61,152; 3.5 mi. Highway 8091, Fulton Co., to Norwich Constr. Co., Inc., Norwich, $91,158; 2.76 mi. Highway 1481, Monroe Co., to F. W. and J. J. Crouch, Rochester, $68,734; 1.06 mi. Highway 1610, Oneida Co., to N. D. Peters & Co., 216 Kossuth Ave., Utica, $52,804; 8.08 mi. Highway 8092, Wyoming Co., to Constantine Constr. Co., 240 Dewey Ave., Buffalo, $333,302. Noted March 23.

N. Y., Brooklyn—Park Bd. at office Dept. Parks, Municipal Bldg., New York, improving main roadway of Ocean Parkway, here, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $27,981. Noted March 30.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., curbing and paving East 10th St., $11,221, 63rd St., $7,706, paving East 18th St., $5,440, East 19th St., $10,150, Ave. J, $8,271, Ave. P, $5,478, West 29th St., $8,402, 20th Ave., $4,209, 19th St. $6,866, 58th St. from 13th to New Utrecht Aves. $3,953, 58th St. from 17th to 18th Aves., $7,822, 64th St., $3,195, 68th St., $11,532, 77th St., $8,581, 80th St., $8,241; to Cleveland Trinidad Paving Co., Flushing, Hegeman Ave., $6,560, Williams Ave., $3,209; to C. Gallagher, 745 Dean St., 82nd St., $8,471. Noted March 23.

N. Y., Cohoes—See "Excavation and Dredging."

N. Y., Holley—Orleans Co. (Albion) will construct 8¼ mi. bituminous macadam highways, by day labor, under supervision of H. D. Waldo, co. supt. $99,120.

N. Y., New Berlin—Bd. Trustees, paving, curbing and guttering Greene, Academy and Jacquith Sts., to Griffin & Griffin, Norwich, $14,872. Noted March 9.

N. J., Somerville—Bd. Freeholders Somerset Co., macadamizing 1⅞ mi. Bolmer Corners-Blawenburg Rd., to Richards & Gaston, 110 South Bridge St., Somerville, $19,770. Noted March 9.

N. J., Vineland—Paving various streets, asphalt, brick and concrete, to W. Eisenberg, Woodbine, $200,000.

Pennsylvania—State Hy. Dept., Harrisburg, Route 195, Juniata Co., to Trinidad Asphalt & Paving Co., Larksville. $324,771; Route 34, Cumberland Co., to Souder Constr. Co., 349 Woolworth Bldg., Lancaster, $171,215; Application 1787, Sect. 1, to L. A. Brua, Jr., Hollidaysburg, $65,321; Route 178, Montgomery Co., to E. A. Corson, 739 Asbury Ave., Ocean City, N. J., $203,640; Route 51, Somerset Co., to M. F. McCabe & Co., 415 Deveny Bldg., Fairmont, W. Va., $251,914; Route 120, Allegheny and Westmoreland Counties, to Dunn-Ryan Constr. Co. Inc., 910-912 Keystone Bldg., Pittsburgh, $92,478; Application 1328 Clarion Co., to J. Battenfield & Sons Co., 404-406 North Ave., Millvale, $95,106. Noted March 9.

Pa., Brownsville—For repaving Water St. with brick, to Petriello Bros., Brownsville, $52,643.

Pa., Phila.—Paving (1) Wissahickon and 25th Aves., (2) Lippincott St., (3) Carpenter, 18th and 20th Sts., (4) Hancock, Leithgow, Orianna and Thompson Sts., (5) Stenton Ave., (6) Poplar, 26th and 27th Sts., (7) Front St., (8) Berks, Carlisle, Glenwood, Hollywood, 26th, Dauphin, Sydenham and York Aves., (9) Carion, Juniper, Seigel, F and Wensley Sts., (10) Dickinson St., (11) Croskey, Marston, Willard and Rockland Sts., (12) 58th St., (13) Market St., (14) Panama, 16th, Ellsworth and Tasker Sts., (15) 9th and 10th Sts., (16) St. Vincent St., (17) Mascher St., (18) Berks and Phillips Sts., (19) Abbottsford and Rising Sun Aves., Homer, Magnolia and Wakeling Sts., (20) Oakley, Passmore and St. Vincents Sts., (21) bridge over Schuylkill River at Spring Garden St., to Eastern Paving Co., Colonial Trust Bldg., (1) $23,470, (2) $5,378, (3) $18,499, (4) $31,697, (5) $20,673, (6) $58,552, (7) $32,254; Barber Asphalt Paving Co., Land Title Bldg., (8) $29,564, (9) $26,371, (10) $27,396, (11) $19,356, (12) $34,389, (13) $20,010; United Paving Co., Land Title Bldg., (14) $26,378, (15) $19,485, (16) $2,132; Mack Paving Co., Germantown and Chelten Aves., (17) $7,291; Fish Rutherford, Real Estate Trust Bldg., (18) $6,380; T. L. Flannigan, 1204 East Montgomery Ave., (19) $17,381; Curtiss Bros., Longshore St., (20) $7,112; Brown-Kink Constr. Co., Commercial Trust Bldg., (21) $21,021. Noted March 23.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., 30,000 sq.yd. cement sidewalk, to Adams Constr. Co., Thomas, W. Va., $52,700. Noted March 23.

W. Va., Charleston—Paving with vitr. brick, Randolph, Monongalia and Hunt Sts., Ohio, Tennessee and Park Aves., to Andrews Asphalt Paving Co., 717 Rentschler Bldg., Hamilton, O., $72,807; Dixie, State and Hale Sts., 2nd and 3rd Aves., to Board-Haley Co., Charleston, $98,521.

W. Va., Philippi—Comrs. Barbour Co., surfacing with bituminous macadam 3.5 mi. Philippi-Belington Pike. Federal Aid Projects 91 and 27, 1,000 cu.yd. excav., 33,000 sq.yd. bituminous macadam, 82,000 gal. bituminous material, to Bramham & Yeater, Clarksburg, $39,895. Noted Mar. 16.

Fla., Brooksville—Comrs. Hernando Co., reshaping and surfacing, asphalt and Birmingham slag, 26,300 ft. Rd. 5, north of here, also surface treating asphalt and Birmingham slag, 39,000 ft. Springlake Rd., to Mickler & McLeod, Tampa, $35,280 and $26,100 respectively. Noted Mar. 2.

Fla., Chipley—Paving various streets, 25,000 sq.yd. 2 in. asphalt on 6 in. concrete, to Davis Constr. Co., Macon, Ga., $2.35 per yd. Noted March 2.

Fla., Tampa—Paving and curbing ¾ mi. road, 11,000 sq.yd. asphaltic block and 6,200 lin.ft. concrete curbing, to W. L. Harwell, 721 South Orleans Ave., $2.28 sq.yd. and $0.70 per lin.ft. respectively, and J. G. Yeats Co., Port Tampa, $2.20 and $0.70 respectively. Noted March 16.

Alabama—State Hy. Comn., Montgomery, grading and bituminous concrete surfacing 8.02 mi. Bee Line Highway between Hartsells and Cullman, Cullman Co., 10.10 mi. highway, Morgan Co., to Texas Roads Co., Gt. Sou. Life Bldg., Dallas, Tex., $186,899 and $227,621 respectively; grading and gravel surfacing 20.52 mi. from Brewton to Sardis Church, Escambia Co., to Kyser & Gillis, Monroeville, $137,407, 12.52 mi. from Dixons Creek to Kimbrough, Wilcox and Marengo Counties, to E. P. Toulmin, Toulminville, (Mobile, P. O.). $134,390; clearing, grading and gravel surfacing 7.124 mi. from Judkins Ferry Bridge to Wetumpka, Elmore Co., to Henderson & Smith, Montgomery, $77,273; grading and surfacing with 2½ in. penetration macadam, 18.16 mi. from Guntersville to Boaz, Marshall Co., to W. T. Taylor Constr. Co., Wilsonville, $382,993. Noted March 30.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following countries: Allen Co., Sect. "G" Lima-Delphis Rd. 4.41 mi. asphalt, oil A, to McArthur & Co., Kenton $84,940. Scioto Co., Sect. "T" Ohio River Rd., 0.829 mi., brick, to Harper & Ruel, Portsmouth, $22,673. Scioto Co., Sect. "C-1" Portsmouth-Oak Hill Rd., 0.781 mi., monolithic brick, to H. N. Snyder, Columbus, $28,330. Scioto Co., Sect. "B-2a" Portsmouth-Lucasville Rd., 1.007 mi., monolithic brick, to S. Monroe Co., Portsmouth, $31,517. Noted March 30.

O., Cleveland—Grading, curbing and paving Shale Ave. from Woodhill Rd. to East 110th St., 3,850 lin.ft. stone curb and drain tile gutter, 4,230 cu.yd. earth excav., 41,300 sq.ft. vitr. brick on 6 in. concrete, to Bentley Bros., Union Bldg., $32,765.

O., Cleveland—Grading, curbing and paving Murray Hill Rd. from Fairchild Ave. to Mayfield Rd., to River Constr. Co., Schofield Bldg., $56,401. Noted March 23.

Ill., Champaign—Paving West Clark St., concrete, to F. Sommers, 305 West Oregon St., Urbana. $30,000. Noted Dec. 8.

Wisconsin—State Hy. Dept., div. office, Milwaukee, concrete surfacing Milwaukee-Fond du Lac Rd., Federal Aid Project 288, Dodge Co., to Appleton Constr. Co., College Ave., Appleton, $39,464; Milwaukee-Fond du Lac Rd., Federal Aid Project 304, Washington Co., to G. M. Gross Constr. Co., Appleton, Sects. A and B combined, $163,543; Racine-Thompsonville Rd., to Brennan & Bounsall, 689 Exchange St., Kenosha, $128,046. Noted March 2 and 16.

Wisconsin—State Hy. Comn., Madison, Madison-Dodgeville Rd., Project 156, Dane Co., to T. Ayen, Mt. Horeb, $9,598; Madison-Cambridge Rd., Project 112, Dane Co., to M. Fisch, Kilbourn, $18,342. Noted March 16.

Wisconsin—State Hy. Comn., Madison, to J. McCarthy, Main St., Kaukauna, Clintonville-New London Rd., Federal Aid Project 138, Waupaca Co., 14,591 cu.yd. earth excav., $0.80, 61,041 sq.yd. concrete surfacing, $1.30, etc., total $100,497; Wausau-Merrill Rd., Marathon Co., to Wausau Iron Wks., Wausau, 10,689 cu.yd. earth excav. $0.95, 1,043 cu.yd. solid rock $2, 49,989 sq.yd. concrete surfacing $1.22, etc., total $82,550; Friendship-Kilbourn Rd., Adams Co., Federal Aid Project 279, to A. Mews, Auburndale, 20,614 cu.yd. earth excav. $0.28, 35,002 sq.yd. sand clay surfacing $0.16, etc., total $15,100.

Wis., Appleton—Outagamie Co., Stephensonville-Greenville Rd., to Brogan & Shaefer, 700 Dousman St., Green Bay, 6,723 cu.yd. earth excav. $0.80, 16,817 sq.yd. concrete surfacing, $2.39, etc., total $46,827.

Wis., Fond du Lac—See "Bids Received."

Wis., Jefferson—Jefferson Co. to Webb & Dixon, Albany, Jefferson-Fort Atkinson Rd., Project 296, 18,929 cu.yd. earth excav. $0.65, 221 cu.yd. borrow $0.65, 56,433 sq.yd. concrete surfacing $1.25, etc., total $97,620; to J. P. Connell, Janesville, Jefferson-Cambridge Rd., Project 28, 4,469 cu.yd. earth excav. $0.80, 20,618 sq.yd. concrete surfacing $26,804, etc., total $32,148. Jefferson-Johnson Creek Rd., Project 254, 11,991 cu.yd. earth excav., $0.75, 1,554 cu.yd. borrow $0.75, 48,176 sq.yd. concrete surfacing $1.29, etc., total $78,349. Noted March 16.

Wis., Milwaukee—Milwaukee Co., concrete surfacing Lovers Lane Rd. State Trunk Highway 41, to Dean Constr. Co., 382 East North Ave., 4,000 cu.yd. earth excav., $0.85, 80 cu.yd. concrete in culverts, $20, 17,000 sq.yd. concrete surfacing $1.95, total $38,174; Clement Ave., to R. H. Gumz & Co., 831 13th Ave., 8,000 cu.yd. earth excav. $0.80, 150 cu.yd. concrete in culverts $20, 23,000 sq.yd. concrete surfacing $1.94, total $54,020. Noted March 16.

Wis., Rice Lake—Paving 9 streets with one course rein.-con., concrete curb and gutter, to Stein Constr. Co., 204 Grand Ave., Milwaukee, $80,000.

Ia., Muscatine—Muscatine Co., grading Primary Rd. 7, east and west of Wilton, and Primary Rd. 2 from Sweetland Center north to Scott Co. line, to Littig Constr. Co., 50 1st Natl. Bank Bldg., Davenport, 71,684 cu.yd. excav. $0.225 per cu.yd. and 102,254 cu.yd. $0.2125 per cu.yd.

Minn., Little Falls—Paving 10 mi. State Project 27-22, Federal Aid Project 154, between here and Royalton, 115,000 sq.yd. concrete and 5 mi. State Project 27-01, Federal Aid Project 264, between here and Belle Prairie, 50,000 sq.yd. concrete, to McCree, Moos & Co., 711 Merchants Natl. Bank Bldg., St. Paul, $1.99 per sq.yd., total $345,000. Noted Mar. 9.

Minn., Luverne—Rock Co., 12 mi. Job 2201, State Rd. 8, 16,000 cu.yd. gravel surfacing, to C. Byers, Jackson, $18,132; 7 mi. Job 2202, State Rd. 10, 9,450 cu.yd. gravel surfacing, to Smith & Son, Jackson, $7,706; 5 mi. Job 2101, State Rd. 12, 6,000 cu.yd. gravel surfacing, to Luverne Sand & Gravel Co., Luverne, $3,585.

Minn., Minneapolis—See "Railways."

Minn., Redwood Falls—Redwood Co., 5 mi. Job 2201, State Rd. 3, 38,000 cu. yd. excav., 10,000 cu. yd. overhaul; 6 mi. Job 2202, State Rd. 14, 40,000 cu. yd. excav., 20,000 cu. yd. overhaul; 4 mi. Job 2203, State Rd. 11, 40,000 cu. yd. excav., 80,000 cu. yd. overhaul; 2 mi. Job 2204, State Rd. 2, 5,000 cu. yd. overhaul, to B. Johnson, Redwood Falls, M. Hirsch, Wabasso and H. Leopold, Walnut Grove, from $0.20 to $0.25 per cu. yd.

Kan., Ellinwood—Paving 8 blocks, incl. 4,038 lin.ft. 6 in. curbing and 2,118 lin.ft. 8 in. guttering, 14,513 sq.yd. vertical fibre brick, 20 extra yd. concrete, 3,350 cu.yd. earth, and 90 cu.yd. rock excav., to Cook & Ransom, Ottawa, $51,952.

Missouri—State Hy. Dept. at div. office Bloomfield, 4.501 mi. road from Cairo to Poplar Bluff, Federal Aid Project 118, Sect. A, Stoddard Co., to Mississippi Arkansas Truck Co., Searcy, Ark., $35,495. Noted March 23.

Missouri—State Hy. Dept. at div. office California, 6.402 mi. road from California northward, State Aid Project 20.94, Moniteau Co., to Jones & Jordan, St. Louis, $17,947. Noted March 23.

Missouri—State Hy. Dept., at div. office, Clinton, road from Clinton to Osceola, Henry Co., Sect. 1, 3.2 mi. long, Sect. 2, 1.9 mi. long, also rein-con. slab spans and steel truss span, on above road, to Carterville Constr. Co., Carterville, $7,149, $60,412 and $21,174 respectively. Noted March 23.

Missouri—State Hy. Dept. at div. office, Ironton, to Lynch-McDonald, Moberly, 9.619 mi. road from Ironton to Glouck, Federal Aid Project 105, Sect. A, Iron Co., $58,676, 4 rein.-con. slab spans, $6,884, 7.075 mi. road from Glover to Sabula, Federal Aid Project 105, Sect. B, Iron Co., $60,364, 3 rein.-con. slab spans, 1 steel

Streets and Roads (Continued)

truss and 1 I-Beam span, on same $16,234; to Service Constr. Co., Poplar Bluff, 3.387 mi road from Ironton to Piedmont, Federal Aid Project 105, Sect. C, Iron Co., $27,113. Noted March 30.

Tex., Coleman—Coleman Co. grading and gravel surfacing 22.35 mi. State Highway 23, to Burks & Hart, Comanche. $83,896. County to furnish 46,683 cu.yd. gravel. Noted March 2.

Tex., San Antonio—Bexar Co. surfacing 6.2 mi. State Highway 9 from Atascosa line north, 58,211 sq.yd. 1 in. bituminous topping of limestone rock asphalt, to W. T. Montgomery, Alamo Bank Bldg., $34,927. Noted March 2.

Tex., Tyler—Smith Co. will grade, surface and build bridges on 7.41 mi. State Highway 27, by day labor, 10,379 cu.yd. borrow and 30,478 cu.yd. roadway excav., 451.2 cu.yd. concrete, 32,407 lb. reinforcing, 19,415 cu.yd. gravelly clay, 609 lin.ft. 24-36 in. concrete pipe. $59,541 incl. 10 per cent for engineering and contingencies. D. K. Caldwell, co. engr. Noted March 16.

Okla., Sayre—Concrete paving Dist. 1 and Dist. 2, to Pearce Constr. Co., Edmond, $45,910 and $61,589 respectively. Noted Jan. 5.

New Mexico—State Hy. Comn., Santa Fe, grading and surfacing 5.933 mi. Cuchillo-Hot Springs Rd., Sierra Co. and 9.804 mi. Oragrande-Escondido Rd., Otero Co., to E. A. Caples, 213 North Rayner St., El Paso, Tex., $33,701 and $34,006 respectively; 19.304 mi. roads extending east and west of Lordsburg, Hidalgo Co., to Kennedy & Clark, Hot Springs, $75,502; 12.14 mi Carlsbad-Lovington Rd., Lea Co., and 7.803 mi. Horace-McCarty Rd., Valencia Co., to Miller Constr. Co., Sioux City, Ia., $35,000 and $60,158 respectively; 33.806 mi. Springer-Gladstone Rd., Colfax Co., to McKnight & Hamer, Amarillo, Tex., $81,777; 11.884 mi. Deming-Lordsburg Rd., Luna Co., to O. C. McElrath Contg. Co., South Center S., Mesa, Ariz., $49,359; 12.762 mi. Taos-Cimarron Rd., Colfax Co., to J. R. Dooley, Santa Fe, $60,403. Noted March 16.

Nevada—Directors State Hy. Dept., grading and gravel surfacing highway 6 mi. southwest of Apex Summit to Apex Summit, Route 6, Sect. D-1, Clark Co., to Wasatch Grading Co., Provo City, Utah, $33,294. Noted March 16.

Wash., Chehalis—Paving Cascade Ave., et al., 17,240 sq.yd. 6 in. concrete, 13,354 lin.ft., concrete curbing, 2,000 sq.ft. 4 in. concrete sidewalks and 4,804 cu.yd. earth excav., to Soltim & Gustavson, Astoria, Ore., $51,283.

Wash., King—King Co. paving 3.22 mi. Newport-Bellevue Rd., 39,410 sq.yd. 6-8 in. concrete, to Independent Asphalt Paving Co., Seaboard Bldg., Seattle, $83,900.

Wash., Mt. Vernon—Skagit Co., paving 6.5 mi. Skagit Highway, 62,000 sq.yd. 7 in. concrete, also constructing timber bridges, covered with 5½ in. rein.-con. decking, to D. W. Miley, Everett, $143,624.

Wash., Seattle—Paving West Massachusetts St., et al, to D. H. Traphagen, Walker Bldg., $77,740; 20th Ave. W., et al, to Olympic Constr. Co., 1326 North Lake Ave., $177,406. Noted March 16th and 23rd.

Cal., Biggs—Improving Main St., involving 125,000 sq.ft. 1½ in. bitulithic on 5 in. concrete, 12,000 sq.ft. concrete gutters, 140,000 sq.ft. grading, 5,000 ft. concrete curbs, etc., to Clark & Henery Constr. Co., 38 Sutter St., Stockton, $53,424.

Cal., Modesto—Improving Needham Ave. between McHenry and 9th Sts., to Standard Paving Co., 1411-9th St., 204,305 sq.ft. grading, $0.05, 197,993 sq.ft. paving, $0.21, 6,311 sq.ft. concrete gutters, $0.20, 3,900 lin.ft. concrete curbs, $0.70, etc. Noted Feb. 9.

Cal., Pomona—Paving Main, Gordon, Park and Thomas Sts., 5 in. cement concrete with oil surface, to Fleming Constr. Co., 105 North Park Ave., $32,276.

Cal., Redwood City—San Mateo Co. improving Pescadero Rd., 5th Rd. Dist., 65,000 sq.yd. scarifying and repaving, 65,000 sq.yd. 2½ in. base rock pavement, 65,000 sq. yd. asphalt oiling and screening surface, to California Constr. Co., 58 2nd St., San Francisco, $43,550.

Cal., Santa Ana—Paving Cypress St. between Chestnut and McFadden Sts., 158,400 sq.ft. 3½ asphaltic concrete base, 1½ in. surface, 300 lin.ft. cement curbing, to S. Finley, Santa Ana, $32,426.

Cal., Santa Monica—See "Sewers."

Ontario — Provincial Government, Toronto, macadamizing 4 mi. Montreal Rd. from Greens Creek to Orleans, also bridge at Greens Creek, also grading and laying stone base on 7 mi. Ottawa-Kingston Rd. from Bells Corners to Stittsville, to Grant Bros., Rideau Bank Natl. Bldg., Ottawa, $60,000 and $75,000 respectively.

Ont., London—Will pave Hamilton Rd. and Dundas St., sheet asphalt, by day labor. $48,000. Prices wanted on all materials. H. A. Brazier, city engr.

Industrial Works

PROPOSED WORK

Mass., North Dighton—Mt. Hope Finishing Co., soon lets contract 1 story, 115 x 300 ft. main building, 1 story, 50 x 150 ft. soop house, 1 story, 40 x 155 ft. dairy, 1 story, 50 x 150 ft. chemical laboratory, brick and steel, plain foundations, and four 1 story, steel storehouses. H. M. Burke, c/o owner, engr.

Mass., South Boston, (Boston, P. O.) Natl. Can Co., Locust St., having plans prepared by A. A. Browne, archt., 7 State St., Boston, 2 story, 92 x 160 ft. rein-con. manufacturing building, 1 story, 20 x 60 ft. brick garage and 3 story, 20 x 40 ft. brick storage building, Locust St. $125,000.

N. Y., Baldwinsville—C. L. Cadle, supt. Pub. Wks., Albany, plans barge canal repair plant, here. $100,000. L. F. Pilcher, Albany, state archt.

N. Y., Batavia—Gypsolite Co., Inc., plans 1 story, 60 x 400 ft., clay tile and concrete manufacturing building, 1 story, 20 x 60 ft. factory, Harvester Ave., here, $75,000-$100,000. Address J. F. Haggerty, 66 Bedford Ave., Buffalo, pres.

N. Y., Buffalo—DePont Fiber Silk Co. plans addition to plant on River Rd. $2,000,000.

N. Y., Deansboro—Deansboro Feed & Lumber Co. will rebuild feed and woodworking mill recently destroyed by fire.

Industrial Contracts

March 1922	16,179,000
March 1921	15,032,000
March 1920	48,861,000
March 1913	3,975,000

Room for genuine optimism —$10,000,000 increase over last month.

N. Y., Gainesville—Gainesville Dairymens' League plans to build and equip milk and pasteurization and bottling plant, concrete and steel. $40,000-$50,000.

N. Y., Lockport—A. W. Jack Corp. plans factory, Mill and Transit Rds. $500,000. Private plans.

Pa., Johnstown — Terminal Warehouse Co. had plans prepared by W. Steele & Sons, engrs., 16th and Arch Sts., Phila., 6 story, 147 x 250 ft. rein.-con., brick and steel, Maple Ave. Woodvale Sect. $300,000. Receiving bids on excavation.

Pa., New Castle—Wear Well Tire Co. having plans prepared by Earl & Altschuler, archts., Dean Bldg., 1 story, 50 x 150 ft. factory, and 14 x 50 ft. office, brick, steel and tile. $50,000.

Pa., New Cumberland—New Cumberland Box Co., Bridge and 2nd Sts., takes bids this summer 2 story, 60 x 90 ft. rein.-con. and brick factory, Bridge St. $50,000.

Pa., Phila.—Bisler Box Co., 245 North 6th St., plans 6 story, 112 x 190 ft. rein.-con., brick and steel factory, plain foundation, 10th and Spring Garden Sts. $250,000. Private plans.

Pa., Phila.—J. J. Gilman, 1126 Girard Ave., soon takes bids 2 story, 25 x 178 ft. brick and terra cotta garage, plain foundation, 2524 North Broad St. $190,000. J. S. Landes, 200 West Broad St., Souderton, archt.

Pa., Shamokin—Croninger Packing Co. plans 5 story, 40 x 75 ft. rein.-con. and steel plant, plain foundation. $150,000. W. H. Lee, 32 South 17th St., Phila., archt.

Pa., Watsontown—Watsontown Sash & Door Co. plans to rebuild factory recently destroyed by fire. $150,000.

D. C., Wash.—T. M. Medford, archt., 1631-3rd St. N.W., preparing plans for garage. $100,000. Owners name withheld.

Va., South Hill—Plans $125,000 bond issue for power house, water and lighting systems. N. G. Smith, clk. Engineer not announced.

N. C., Willets—Natural Abrasive Mining Co. of America, Waynesville, having plans prepared building and equipping grinding mill, here. $250,000. F. R. Hewitt, Waynesville, treas.

Fla., Quincy—City having plans prepared for power plant and electric lighting extension. Cost between $175,000 and $200,000. J. P. Smith, clk.

O., Akron—Brown-Graves Co., 65 East Miller Ave., plans 3 story, brick factory to replace one recently destroyed by fire. $200,000.

O., Cleveland—Euclid Ave. Lumber Co., 11715 Euclid Ave., had plans prepared 1 story, brick and timber mill, garage, office, shed and storage buildings, 11615 Mayfield Rd. $40,000. W. E. Russell, secy. Private plans.

O., Cleveland—See "Buildings."

O., Dayton—See "Buildings."

O., Youngstown — Ward Baking Co., Southern Blvd. and St. Marys St., New York, plans 4 story, 71 x 168 ft. bakery, rein.-con., Mahoning Ave., here. $150,000. C. B. Comstock, 110 West 40th St., New York, archt. and engr.

Ind., Indianapolis—R. N. Edwards Co., archts., Union Trust Bldg., preparing plans 8 story, 60 x 195 ft. industrial plant, brick. $200,000. Owner's name withheld.

Ind., Indianapolis—R. N. Edwards Co., archts., Union Trust Bldg., preparing plans 1 and 3 story, 150 x 200 ft. manufacturing plant, incl. power house, warehouse, machine shop, etc., brick. $250,000. Owner's name withheld.

Ill., Chicago—Atwell Printing and Binding Co., Sherman and Polk St., having plans prepared by A. Ahlschuler, archt., 28 East Jackson Blvd., 6 story, 170 x 177 ft. plant, rein.-con., brick and steel, on Prairie Ave. and 20th St. $700,000. Noted Jan. 12.

Ill., East St. Louis—Cain-Hurley Lumber Co., 1406 Chemical Bldg., St. Louis, Mo., having plans prepared 1 and 2 story plant, rein.con., brick and stone, here. $45,000. E. M. Cain, pres. Private plans.

Ill., Joliet—Goodspeed Bros. Auto Co., Joliet, plans 1 story, 60 x 150 ft. garage, brick, tile concrete and steel. $40,000. Architect not selected.

Ill., Pinckneyville—Atlas Powder Co. having plans prepared by W. A. Smith, engr., Pinckneyville, 1 and 2 story plant, rein.-con., brick and stone. $200,000.

Ill., Rockford—Rockford Electric Co., South Wyman St., plans addition to power house and transmission lines. $350,000. Private plans.

Ill., Rock Island—Peoples Power Co., Safety Bldg., making plans boiler room and electrical equipment, $90,000, repairs to gas plant, $9,000, extending transmission lines, $102,000, gas mains, $50,000. Private plans.

Ill., White Hall—City having plans prepared by Caldwell Eng. Co., Ayers Bank Bldg., Jacksonville, 1 story, brick, electric lighting plant. $75,000. R. F. Ballard, clk. Noted May 5.

Wis., Madison—W. F. Clark, 2105 Keyes Ave., having plans prepared by A. E. Small, archt., Ellsworth Bldg., 1 story, 60 x 186 ft., brick, rein.-con. and steel garage and filling station, plain foundation, University St. $45,000.

Wis., Madison—Madison Gas & Electric Co., 120 East Main St., having plans prepared by Mead & Seastone, engrs., State Journal Blk., 1 story, 50 x 65 ft., brick, rein.-con. and steel unit to power house, East Main St. $50,000.

Wis., Madison—Pennsylvania Oil Co., 731 East Washington St., plans 2 story, 50 x 95 ft. oil warehouse, etc., brick and rein.-con., plain foundation, Dayton St. Architect not selected.

Wis., Marshfield—Blum Bros. Box Co., 135 West 9th St., takes bids about May 1, 1 and 2 story, 96 x 120 ft. rein.-con., brick and steel factory, plain foundation. $100,000. G. A. Krasin, Marshfield, archt. Noted Jan. 12.

Wis., Mayville—Peerless Traveling Goods Co. having plans prepared by J. E. Hennen, archt., 74 South Main St., Fond du Lac, 2 and 3 story, 50 x 90 ft., brick, rein.-con. and steel factory, plain foundation, Main St. Noted March 16.

Industrial Works (Continued)

Wis., Milwaukee—N. Stollenwerk, 953 Otjen St., having plans prepared by Herbst & Kuenzli, archts., 114 Grand Ave., 2 story, 42 x 60 ft., mill construction warehouse, plain foundation, Kinnickinnic Ave. $40,000.

Wis., Oconto—W. Noel plans 2 story, 50 x 80 ft., brick and rein.-con. garage, plain foundation, Smith St. $40,000. Architect not selected.

Wis., Sparta—F. J. Domke plans 2 story, 32 x 100 ft., brick, rein.-con. and tile garage and repair shop, plain foundation, South Water St. $50,000. Architect not selected.

Utah, Salt Lake City—Utah Steel Corp., Boston Bldg., plans 1 story blast furnaces, steel. $500,000. A. G. McKee Co., 2422 Euclid Ave., Cleveland, O., engrs.

Ore., Portland—Oregon Coal Co. plans 1 story blast furnaces steel. $500,000. A. G. McKee Co., 2422 Euclid Ave., Cleveland, O., archts.

Cal., San Diego—San Diego Consolidated Gas & Electric Co., Timken Bldg., had plans prepared by Requa & Jackson, archts., 614 B St., for 45 x 95 ft. sub-station, 4th and Ash Sts. $200,000. H. M. Byllesby Eng. & Managements Corp., 208 South La Salle St., Chicago, engrs.

Cal., Tranquility—See "Buildings."

Ont., Barrys Bay—Murray & Omanique, plan plant here. $150,000. Architect not selected.

Ont., Ottawa—Ottawa Dairy Ltd., 393 Somerset St. W., plans to alter and build additions to dairy. $75,000. J. Bingham, 393 Somerset St. W., mgr.

Ont., Sarnia—Dominion Alloy Steel Corp., Sarnia, plans steel plant, St. Clair Ave. $3,000,000. J. J. Mahon, c/o owner, engr.

Ont., Welland—Highway Crossings Ltd. purchased 100 x 500 ft. site in Maple Leaf Park, and plans to build factory.

Ont., Welland—University Casket Co. plans factory in Maple Leaf Park. $45,000. B. A. Basque, pres. Architect not announced.

BIDS DESIRED

N. Y., Syracuse—April 25, by State Fair Comn., Syracuse, for sheep and swine building, on New York State Fair Grounds, here. L. F. Pilcher, Albany, state archt.; adv. this issue.

Pa., Erie—April 8, by Erie Co. Milk Assn., 2028 State St., 3 story, concrete, brick and steel warehouse, French and 20th Sts. $50,000. Private plans.

Pa., Phila.—International Harvester Co. of America, 21 North 23rd St., receiving bids 5 story, 100 x 130 ft. warehouse and 1 story, 64 x 100 x 140 ft. service station, rein.-con., brick and steel, plain foundation, 16th and Indiana Aves. $500,000. W. D. Price, 5408 North Central Ave., Chicago, engr.

Fla., Clermont—April 24, to vote on bonds building electric light plant. S. S. Fesler, clk.

O., Orange—See "Buildings."

Ill., Chicago—A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids 6 story, 125 x 125 ft. printing plant, rein.-con., brick and steel, Jackson Blvd. and Laflin St., for U. S. Sample Co., c/o architect. $350,000.

Ill., Chicago—Newhouse & Bernham, archts., 4630 Prairie Ave., receiving bids 2 story, 60 x 170 ft. factory, rein.-con., brick and steel, Federal and 45th St., for Goodman Amer. Ice Cream Co., c/o architects. $75,000.

Ill., Rockford—April 15, by Peterson & Johnson, archts., 406 Swedish Amer. Bank Bldg., 1 and 5 story, 100 x 300 ft. factory, Kishwaukee St. $500,000. Owners name withheld.

Wis., Mayville—J. E. Hennen, archt., 74 South Main St., Fond du Lac, receiving bids and opens same about April 20, 2 story, 50 x 90 ft. rein.-con. and brick factory, plain foundation, Main St. $50,000.

Mo., St. Louis—April 12, by A. B. Groves, archt., 314 North 4th St., 2 story, 119 x 160 ft., brick, stone and concrete plant, Delmar Blvd. and Bayard Ave., for J. O. Chenoweth Dyeing & Cleaning Co., 1400 Washington St. $50,000. Noted Dec. 15.

Mo., St. Louis—April 14, by W. P. McMahon, archt., Title Guaranty Bldg., 2 story, 50 x 52 ft., rein.-con., brick and stone garage, 3667 Olive St., for Johnson Automobile Co., 3667 Olive St. $45,000. Noted March 30.

CONTRACTS AWARDED

Mass., Everett—Everett Factories Corp., for factory No. 8, 4 story, 45 x 325 ft., brick, Vine St., to Hudson Constr. Co., 6 Beacon St., Boston. $175,000.

Mass., Marlboro—Dennison Mfg. Co., Framingham, 4 story, 70 x 300 ft., rein.-con. and brick factory, here, to Aberthaw Constr. Co., 27 School St., Boston. $400,000.

R. I., Westerly—Westerly Textile Co., 41 Main St., 5 story, 32 x 50 ft., brick and steel addition to plant, plain foundation, to Nichols & Greene, 153 Court St., New Haven, Conn. $50,000.

N. J., Atlantic City—Union Transfer Co., 1004 Spring Garden St., Phila., general contract 1 story, 105 x 165 ft. and 45 x 55 ft., rein.-con., brick and steel garage, plain foundation, 110 x 116 North Virginia Ave., here, to E. E. Hollenback, 1804 Brandywyne St., Phila.; steel, to McClintock Marshall Co., Morris Bldg., Phila. $100,000. Noted Sept. 22.

Pa., Bethlehem—R. K. Laros Silk Co., 9th and Linden Sts., 3 story, 60 x 240 ft. rein.-con. factory, plain foundation, to W. Steele & Sons, 19th and Arch Sts., Phila. $130,000.

Pa., Derry—Pittsburgh High Voltage Insulator Co., Derry, 1 story, 96 x 160 ft. factory, to C. W. Semler, Derry, $80,000.

Pa., McKeesport—Peters Packing Co., Inc., McKeesport, rein.-con., brick and steel addition to plant, to Walker & Curley Co., 1061 Bridge St., Sharpsburg, $100,000.

Pa., Phila.—Alva Carpet & Rug Co., Kinsey and Hedge Aves., 3 story, 50 x 150 ft. rein.-con., brick and steel factory, plain foundation, to W. Steele & Son, 1600 Arch St., to exceed $100,000.

Pa., Phila.—Ballinger & Co., archts., 12th and Chestnut Sts., 2 story 83 x 159 ft. and 1 story, 92 x 179 ft. rein.-con., brick and steel factory, plain foundation, Rising Sun Ave. and Rockland St., to Barclay-White Co., 1713 Sansom St., for Ardross Worsted Co., Bridge and Charles Sts. $300,000. Noted March 2.

Pa., Phila.—N. E. Ice Mfg. Co., Front and Luroy Sts., 1 story, 72 x 115 ft., and 1 story, 43 x 105 ft. brick and steel plant, plain foundation, Front and Luroy Sts., to E. R. Hall, 34 South 17th St.

Ga., Atlanta—The Cathcart Transfer & Storage Co., 6 Madison Ave., 7 story, rein.-con. warehouse, to Gude & Co., 64 Poplar St. $175,000; cost plus basis.

O., Cleveland—Dille Mfg. Co., 684 East 82nd St., 1 story, 45 x 75 ft., brick and steel factory addition, to Forest City Steel & Iron Co., 1500 West 110th St., $40,000.

Mich., Detroit—M. W. Sales, 315 West Jefferson Ave., 7 story, 80 x 188 ft. rein.-con., brick and steel warehouse, plain foundation, West Jefferson Ave., to J. Bollin Co., 1259 Book Bldg.

Ill., Chicago—J. J. Jensen, archt., 4815 North Lawndale Ave., 2 story, 125 x 125 ft. factory, rein.-con., brick and steel, Crawford Ave. and Argyle St., to Thogerson & Erickson, 4815 North Kedzie Ave., for Rechsteiner Embroidery Co., 4743 Bernard Ave. $65,000. Noted Jan. 26.

Ill., Chicago—G. S. Kingsley, archt., 109 North Dearborn St., 2 story, 75 x 75 ft. addition, rein.-con., brick and steel, to Schmidt Bros. Constr. Co., 22 East Huron St., for Van Sydows Fireproof Warehouse Co., 6805 South Chicago Ave. $150,000.

Ill., Chicago—Paasche Air Brush Co., 1219 West Washington St., 2 story, 150 x 150 ft. factory, rein.-con., brick and steel, 1909-15 Diversey Parkway, to P. Olson Co., 19 South La Salle St., $75,000.

Ill., East St. Louis—Highland Ice Cream Co., 1 story, 45 x 105 ft., 57 x 58 ft. and 26 x 30 ft. factory, brick, steel and stone, St. Clair and 20th St., by day labor, $75,000. A. Range, pres. Private plans.

Wis., Milwaukee—Interior Woodwork Co., 521 Park St., 3 and 2 story, 67 x 160 ft. and 70 x 100 ft., manufacturing and storage buildings, mill construction, plain foundations, Park St., to H. Danischefsky, 1484 Humboldt Ave.

Wis., Waupun—C. A. Shaler Co. general contract 2 story, 75 x 110 ft., brick and steel vulcanizing plant, plain foundation, to Hutter Constr. Co., Western Ave., Fond du Lac, $55,000.

Minn., St. Paul—Daily News Publishing Co., 94 East 4th St., general contract 3 story, 100 x 150 ft. plant and office, rein.-con., brick, tile and stone, 4th St. between Cedar and Minnesota Sts., to Lovering & Longbotham, 312 Endicott Bldg., $100,000. Noted Feb. 9.

Mo., Jefferson City—Automatic Water Pump Mfg. Co., 236 East High St., six or seven 1 story, rein.-con., brick and stone factory buildings, by day labor. $100,000. B. F. Schuetz, pres. Private plans. Noted March 30.

Mo., St. Louis—Kroger Grocery Co., Tiffany and Vista Sts., 2 story, 146 x 250 ft., brick and concrete warehouse, to J. Bright Contg. Co., Arcade Bldg., $175,000.

Tex., Hoskins Mound—Freeport Sulphur Co., Freeport, complete sulphur mining plant, to D. P. Robinson & Co., 61 Bway., New York.

Cal., Los Angeles—E. A. Gray Co., 510 South San Pedro St., 1 story, machine shop and office, 12,000 sq.ft. floor space, brick and steel, plain foundation, to Austin Co., 16112 Euclid Ave., Cleveland, O., $40,000.

Cal., Paso Robles—California Almond Growers' Assn., 1809 C St., Sacramento, 1 story, rein.-con. warehouse here to J. L. McLaughlin, 251 Kearney St., San Francisco. $40,000. Noted Mar. 2.

Cal., San Pedro—Regan Forge Co., 1 story 80 x 200 ft., foundry and machine shop brick and steel, to Austin Co., 16112 Euclid Ave., Cleveland, O., $60,000.

Buildings

PROPOSED WORK

Me., Millinocket—High School—Bd. Educ. opens bids about April 10, 2 story, 201 x 233 ft., brick and steel. $450,000. H. S. Coombs, 11 Lisbon St., Lewiston, archt. Noted Jan. 26.

Mass., Springfield—School—School Bd. having plans prepared by E. C. and G. C. Gardner, archts., 33 Lyman St., 3 story brick and concrete addition, Elliott St. $400,000.

N. Y., Albany—Bank—Albany City Savings Bank, 100 State St., plans addition. $1,000,000. Address W. S. Hackett, pres.

N. Y., Baldwinsville—High School—Authorized $225,000 bond issue for new junior and senior high school.

N. Y., Bath—High School—Bd. Educ. had plans prepared by Pierce & Bickford archts., 118 Lake St., Elmira, new high school. $175,000-$200,000.

N. Y., Binghamton—Store and Office—W. Epstein plans 4 or 5 story, 204-208 East Water St. $175,000-$200,000.

N. Y., Black Rock (Buffalo P. O.)—High School—Bd. Educ. plans new high school. $500,000.

N. Y., Brooklyn—Parish House—Flatbush Reformed Dutch Church, Flatbush Ave., plans 100 x 100 ft., brick, steel and stone, plain foundation, Flatbush Ave. $250,000. L. Lott, pres. Private plans.

N. Y., Cortland—Courthouse, etc.—Bd. Supervs. Cortland Co. soon take bids 3 story, 40 x 100 ft. and 100 x 100 ft. courthouse, jail and sheriff's home, rein.-con., brick and steel, brick foundation. $400,000. J. R. Gordon, 507 5th Ave., New York, archt.

N. Y., Corning—Church—Grace Methodist Episcopal Church plans church, Bridge St. $200,000.

N. Y., East Rochester—School—Bd. Educ. had plans prepared for new school. Plan election to vote on $185,000 bonds for project. Address L. E. Bird, East Rochester.

N. Y., Freeport—High School—Bd. Educ. plans brick, steel and stone, plain foundation, Pine St. $600,000. Architect and engineer not selected.

N. Y., Johnson City—Church and Parish House—All Saints Episcopal Church soon takes bids brick, steel and stone, plain foundation, Main St. $200,000. B. G. Goodhue, 2 West 47th St., New York, archt. and engr.

N. Y., New York—Apartment—S. Bell, c/o G. A. Bagge & Sons, archts. and engrs., 299 Madison Ave., soon takes bids 5 story, brick, steel and stone, plain foundation, University Ave. $200,000.

N. Y., New York—Apartment—T. Dwyer, c/o G. F. Pelham, archt. and engr., 200 West 72nd St., having plans prepared 5 story, 115 x 145 ft., brick, steel and stone, plain foundation, Indian Rd. near 218th St. $300,000.

N. Y., New York—Apartment—E. N. Tailer, Newport, R. I., having plans prepared by C. W. Buckham, archt. and engr., 175 5th Ave., New York, 9 story, brick, steel and stone, plain foundation, 2-10 East 86th St., here. $400,000.

N. Y., New York—Bank—C. W. Brazer, archt. and engr., 1133 Bway., opens bids about April 15, brick, steel and stone, plain foundation, Bowery, for Citizens Savings Bank, 58 Bowery. $400,000. Noted Feb. 9.

N. Y., New York—Hotel—J. T. Lee, c/o A. L. Harmon, archt. and engr., 7 East 40th St., having plans prepared 30 story, brick, steel and stone, plain foundation, Lexington Ave. and 48th St. $4,500,000.

Buildings (Continued)

N. Y., New York—Loft—One West 39th St. Corp., c/o Starrett & Van Vleck, archts. and engrs., 8 West 40th St., having plans prepared 12 story, brick, steel and stone, plain foundation, West 39th St. near 5th Ave. $750,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., soon takes bids P. S. 80, 5 story, brick, steel and stone, plain foundation, 415-31 East 120th St. $750,000. C. B. J. Snyder, Municipal Bldg., archt. and engr. Noted Feb. 16.

N. Y., New York—Womens Hotel—H. A. Smith, archt. and engr., 874 Bway., preparing plans womens hotel, 122nd St. and Bway. $3,000,000. Owner's name withheld.

N. Y., Norwich—High School—Bd. Educ. having plans prepared by J. M. Platt, archt., 524 Cutler Bldg., Rochester, 10 room addition to high school. $175,000-$200,000.

N. Y., Ogdensburg—Schools—Bd. Educ. having plans prepared by W. Potter, archt., 22 East 17th St., New York, Junior High School, $125,000; 4th Ward School, $75,000 and addition to P. S. 4, $100,000. Address R. J. Donahue, Ogdensburg.

N. Y., Olean—School—Bd. Educ. plans school. $630,000. Architect not selected.

N. Y., Owego—School—Bd. Educ. having sketches made by Coffin & Coffin, archts. and engrs., 522 5th Ave., New York, 3 story, 150 x 200 ft., brick, steel and stone, plain foundation. $275,000. G. S. Decker, pres.

N. Y., Perry—High School—Bd. Educ. plans 2 story brick and steel addition. $198,000. Architect's name withheld.

N. Y., Poughkeepsie — Store — Luckey, Platt & Co., 332 Main St., soon take bids 5 story, Main and Academy Sts. To exceed $150,000.

N. Y., Richmond Hill (Jamaica P. O.)—Hospital—Jamaica Hospital soon takes bids 4 story, brick, steel and stone, plain foundation, Van Eyck St. $200,000. G. H. Emery, Bible House, New York, archt. and engr.

N. Y., Rochester—Church and Office—Baptist Temple plans modern church and office building. $1,000,000. Address W. Hartman, 38 Rutgers St., chn. building com.

N. Y., Rochester—School—Bd. Educ. had plans prepared P. S. 39, 2 story, 161 x 264 ft., brick, concrete and steel, Jackson St. and Midland Ave. Cost to exceed $150,000. Address J. M. Tracy, supt.

N. Y., Utica—Temple and Auditorium—Ziyara Temple A. A. O. N. M. S., plans 150 x 160 ft., Genesee St., $500,000. Address J. C. Max, 1646 Sunset Ave.

N. J., Gloucester—High School—Bd. Educ., c/o W. S. Bradway, soon takes bids 2 story, 24 room. $350,000. Lackey & Hettle, 5 Hudson St., Camden, archts.

Pa., Allentown — High School — School Bd., c/o E. H. Helfrick, having plans prepared by H. C. Richards, archt., 608 Chestnut St., Phila., 2 story, rein.-con., brick, steel and stone, plain foundation. $900,000.

Pa., Boiling Springs — Bank — Boiling Springs Bank, temporarily located at Security Trust Co., 36 North 3rd St., Harrisburg, takes bids in 2 months, 3 story, 60 x 100 ft. brick and limestone, Front St. R. N. Lawrie and C. S. Lappley, Cotteral-Ebner Bldg., Harrisburg, archts.

Pa., Corry — High School — Bd. Educ. plans junior high school on North Side, and remodeling Fairview, Hatch and Washington St. Schools. $150,000. Architect not announced.

Pa., Easton—High School—Bd. Educ., c/o R. E. Piefer, Easton, having plans prepared by H. C. Richards, archt., 608 Chestnut St., Phila., 2 story, 200 x 250 ft. rein.-con., brick and steel, plain foundation. $350,000.

Pa., Enola—Bank—Peoples Bank having plans prepared by Lawrey & Lappley, archts., Cotterel-Ebner Bldg., Harrisburg, 3 story, 60 x 90 ft. brick and stone, Enola Rd. and Juniata St. $150,000.

Pa., Leechburg—High School—Bd. Educ. having preliminary plans prepared by W. G. Eckles, archt., New Castle, 3 story, brick and steel. $250,000.

Pa., Oil City—High School—Bd. Educ. plans junior high school. $350,000. Architect not selected.

Pa., Phila.—Apartment—P. M. Myers, Franklin and Poplar Sts., representing owner, plans 12 story, 74 x 117 ft., 13th and Spruce Sts. $1,000,000.

Pa., Phila.—College—Franklin Institute, c/o A. Clark, 15 South 7th St., soon takes bids 4 story, 110 x 113 ft. stont, 19th and Race Sts., $275,000. J. T. Windrim, Commonwealth Bldg., archt.

Pa., Phila.—School—St. Collista Roman Catholic Church, c/o P. A. Monaghan, archt., 1210 Chestnut St., soon takes bids 3 story, 55 x 100 ft. rein.-con. and brick, plain foundation, 67th and Lansdowne Aves. $250,000.

Pa., Phila.—Theatre—J. F. Willard, 326 North 40th St., soon receives bids 1 story, 62 x 119 ft., rein.-con., brick, steel and stone, plain foundation, 40th and Filbert Sts. $150,000. C. E. Oelschlager, 1615 Walnut St., archt.

Pa., Pittsburgh — Synagogue and Community House—Beth Shalom Congregation, 5806 Forbes St., having plans prepared by Sharove & Friedman, archts., Berger Bldg., 2½ story, 50 x 100 ft. and 100 x 100 ft., brick and tile, Beacon and Shady Sts. $250,000.

Pa., Pittsburgh—Theatre and Office—Steel City Amusement Co., 801 Wylie Ave., having plans prepared by Simons, Brittain & English, archts., Magee Bldg., 3 story, 60 x 170 ft. rein.-con., brick and steel, Center and Montrose Aves. $150,000. Noted Aug. 25.

Pa., Quakertown—Theatre and Store—L. L. Keller soon takes bids 2 story, 60 x 133 ft. rein.-con., brick and steel, plain foundation. $150,000. J. P. Landes, 200 West Broad St., Souderton, archt.

Pa., Sewickley—Library—W. L. Clause, c/o Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, having plans prepared by H. D. Gilchrist, archt., Conestoga Bldg., Pittsburgh, 1 story, 90 x 90 ft., Thorn and Broad Sts., here. $150,000.

Pa., State College—Theatre—H. S. Bair, archt., Vandergrift Bldg., Pittsburgh, rejected bids for 1 and 2 story, 68 x 115 ft., West College Ave., for M. Baum, State College. $150,000. Noted March 9.

Pa., Williamsport—Church—First United Evangelical Church, Packer and Bennett Sts., plans brick and stone on 90 x 90 ft. plot, Ross, Packer and Market Sts. $150,000.

D. C., Wash.—Apartment—H. Etchison Davidson Bldg., having plans prepared by Stern & Tomlinson, archts., Continental Bldg., for apartment. $200,000.

D. C., Wash.—Office—U. S. Chamber of Commerce, c/o L. A. Skinner, secy., Mills Bldg., having plans prepared by C. Gilbert, archt., 244 Madison Ave., New York, office building. $1,500,000.

D. C., Wash—Theatre—Chevy Chase Amusement Co., c/o F. Upman and P. C. Adams, archts., Woodward Bldg., soon lets contract brick, steel and stone, in Chevy Chase section. $300,000.

D. C., Wash.—Theatre and Office—G. O. Totten, Jr., archt., 808 17th St. N. W., preparing plans theatre and office building. $2,500,000. Owner's name withheld.

Va., Norfolk—Church and Sunday School Third Christian Church c/o J. W. Manning, chn. building com., Natl. Bank of Commerce Bldg., rejected bids opened March 15, 1 story church and 3 story Sunday School, 34th St. and Llewellyn Ave. $200,000. Noted Feb. 23.

W. Va., Follansbee—School—Bd. Educ. had plans prepared by W. D. Wells, archt., Wellsburg, 2 story, 86 x 140 ft., brick. $170,000. Peterson & Clarke, Steubenville, O., associated archts.

N. C., Gastonia—Bank and Office—Third Natl. Bank having plans prepared by Milburn, Heister & Co., archts., Union Savings Bank Bldg., Wash., D. C., and will probably take bids early in June, 8 story, rein.-con. and steel, wood pile foundation. $200,000.

Ga., Atlanta—Market House—City plans 2 story, Edgewood Ave. $200,000. Architect not selected.

Ga., Augusta—Hotel—G. L. Preacher & Co., archts., Healey Bldg., Atlanta, preparing plans and takes bids in about 6 weeks, 8 story, rein.-con., Broad St., here, for G. L. Miller, Hurt Blk., Atlanta. $400,000.

Fla., Miami—Lodge and Club—Scottish Rite Cathedral Assn. having plans prepared by Kiehnel & Elliott, archts., Miami, and 245 4th Ave., Pittsburgh, Pa., 3 story, 150 x 200 ft., concrete, brick, tile and steel, North River Dr. $200,000.

Fla., West Palm Beach—Hotel—South Florida Hotel Co., c/o G. L. Preacher & Co., archts., Healy Bldg., Atlanta, Ga., having plans prepared, 5 story, rein.-con. $300,000.

La., Monroe—Schools—Voted $200,000 bonds March 28 for 2 new schools.

La., New Orleans—Bank—Federal Reserve Bank, Camp St., having revised plans prepared and soon receives bids by R. DeBuys, archt., Camp St. and Commercial Alley, bank, Carondelet and Common Sts. $800,000. Noted Feb. 9.

O., Akron — Court House — Summit Co. having plans prepared by M. E. Harpster, archt., Hamilton Bldg., 3 story annex. $400,000.

O., Ashtabula—Temple—Masonic Lodge having plans prepared by E. B. Lee, archt., Chamber of Commerce Bldg., Pittsburgh, Pa., 2 story, 110 x 136 ft., rein.-con., limestone and terra cotta, plain foundation, Main and Bank Sts. $200,000.

O., Bowling Green — Dormitory—State Normal School having plans prepared by H. P. Stewart & Son, archts., Bowling Green, girls' dormitory. $150,000.

O., Cleveland — Apartment — Maxwell Realty Co., Schofield Bldg., having plans prepared by A. F. Janowitz, archt., Permanent Bldg., 4 story, 107 x 148 ft., brick and steel, plain foundation, Eddy and Hartshorn Rds. $250,000.

O., Cleveland—Apartment—W. Vretman, East 4th St., and Prospect Ave., having plans prepared by J. Graham & Co., archts., 8201 Cedar Ave., 7 story, 80 x 160 ft., brick, steel and concrete, 3328 Euclid Ave. $1,000,000.

O., Cleveland—Apartment, Theatre, etc.—David Holding Co. c/o J. Kirby of Cleveland Discount Co., Kirby Bldg., having plans prepared by A. W. Harris, archt. and engr., Discount Bldg., 2, 4, 6 and 10 story, apartment, theatre, market house, heating and ice plants, brick, steel and concrete, Coventry Rd., Williams Ave., Shaker and Moreland Blvds. $30,000,000.

O., Cleveland—Church and School—St. Margarets Church, 2923 East 117th St., plans 1 and 3 story, brick, steel and stone. $200,000. E. Rickert, pastor. Architect not selected.

O., Cleveland—Club and Office—Amer. Legion Building Co., c/o R. H. Jamison, 2121 Euclid Ave., plans 12 story, brick steel and concrete, concrete pile foundation, $500,000. Architect's name withheld.

O., Cleveland—Commercial—M. B. Scharfeld, 206 Society for Savings Bldg., having preliminary plans prepared by Knox & Elliot, archts., Engineers Bldg., 6 story, 60 x 110 ft., brick, steel and concrete, concrete pile foundation, 416 St. Clair Ave. $250,000.

O., Cleveland—Commercial and Apartment—J. M. Akers, Jr., c/o S. H. White, archt., Schofield Bldg., having plans prepared 2 story commercial building and 3 story apartment, brick and steel, plain foundation, East 81st St. and Hough Ave. $150,000.

O., Cleveland—Commercial and Loft—Graphic Arts Trust, c/o F. O. Nitch, 1104 Prospect Ave., having plans prepared by E. McGeorge, archt. and engr., 1900 Euclid Ave., 8 story, 60 x 180 ft., brick, steel and concrete, 1200 Bolivar Rd. $300,000.

O., Cleveland—Commercial and Office—Chester—Twelfth Co., c/o C. H. Quinlan, Swetland Bldg., having preliminary plans prepared by W. S. Ferguson Co., archts., 1900 Euclid Ave., 12 story, brick, steel and concrete, East 12th St. and Chestnut Ave. $400,000.

O., Cleveland—Office—H. A. Edwards, c/o W. S. Lougee, archt., 500 Marshall Bldg., having preliminary plans prepared 12 story, brick, steel and concrete, concrete pile foundation, East 3rd St. and Lakeside Ave. $350,000.

O., Cleveland Heights (Warrensville P. O.)—Commercial and Apartment—G. W. Deming, 3154 Redwood Ave., plans 3 story, brick and timber, plain foundation, on lot 104 x 185 ft., Euclid Blvd. and Lee Rd. $150,000. Architect not selected.

O., Cleveland Heights (Warrensville P. O.)—School—May 9, to vote on $400,000 bonds, 2 story, rein.-con. and brick, plain foundation. F. C. Warner, 767 Hippodrome Annex Bldg., Cleveland, archt.

O., Conneaut—Temple—Masonic Lodge receiving sketches 3 or 4 story, 110 x 157 ft., brick and steel, plain foundation, Broad and State Sts. $200,000. R. C. Borland, secy.

O., Dayton—Store, etc.—M. Larkin, c/o W. Hall Electric Co., 115 East 3rd St., plans 6 story, 79 x 100 ft., pressed brick and concrete store and warehouse, North Jefferson St. $175,000. Architect not selected.

O., Springfield—Office—F. J. Drolla Co., 516 Fairbanks St., having plans prepared by W. E. Russ, archt., Meridian Life Bldg., Indianapolis, Ind., 10 story, 50 x 65 ft., brick and stone.

O., West Park—School—Bd. Educ. having revised plans prepared by R. F. Medicus, archt., Crandall St., Youngstown, 2 story, 10 room, brick, steel and concrete, Longmeade Ave. $150,000. O. S. Juergens, clk.

O., Wooster—Dormitory—Wooster College plans men's dormitory, $200,000-$300,000. Architect not announced.

Buildings (Continued)

O., Youngstown—Office—Brier Hill Steel Co., having plans prepared by R. A. Zenk, archt., 144 West Wood St., 5 story, 60 x 160 ft., brick and steel, plain foundation, East Federal St. $250,000.

Ird., Cedar Lake—Hotel—O. C. Harris, 1407 Michigan Ave., Chicago, plans 2 story, concrete, brick and steel, here. $150,000. R. L. Simmons, Beardsley, Bldg., Elkhart, archt.

Ind., LaFayette—Office—Pond & Pond, archts., 64 East Van Buren St., Chicago, soon receive bids 3 story, rein.-con., brick and steel, here, for Union Student Bldg., c/o architects. $1,000,000.

Ind., South Bend—Hospital—Comrs. St. Joseph Co., plan 3 story, 100 x 190 ft. brick addition to St. Josephs Hospital. $150,000. Freyermuth & Maurer, 654 Farmers Trust Bldg., archts.

Mich., Detroit — Apartment — Apartment Finance Corp., 555 Equity Bldg., having plans prepared by W. Hamacher, engr., 3527 St. Clair Ave., 4 story, concrete, brick and steel, plain foundation, Collingwood Ave. $175,000.

Mich., Detroit — Office — Woodward-Larned Realty Co., c/o C. H. Crane, archt., Huron Bldg., having preliminary plans prepared for 10 story, rein.-con., brick and steel, plain foundation, Woodward Ave. and Larned St. $400,000.

Mich., Detroit—School—Bd. Educ. having plans prepared by Malcomson, Higginbotham & Palmer, archts., 405 Moffat Bldg., 2 story, rein.-con., brick and steel, plain foundation, Sylvester Ave. $150,000.

Mich., Flint—School—Bd. Educ. having plans prepared by Malcomson, Higginbotham & Palmer, archts., 405 Moffat Bldg., Detroit, 2 story, 126 x 140 ft. rein.-con., brick, steel and stone, plain foundation, Bway. Ave. $150,000.

Mich., Houghton — High School — Bd. Educ. having plans prepared by Van Leyen, Schilling, Keough & Reynolds, archts., 3440 Cass Ave., Detroit, 2 story, rein.-con., brick and steel, plain foundation. $200,000.

Ill., Bourbonnais—College—St. Viators College, c/o J. D. Kirley, plans college buildings, 2 and 3 story, brick, stone, rein.-con. and steel. $500,000. Architect not selected.

Ill., Carbondale—Hotel—Roberts Hotel, c/o A. S. Roberts, Carbondale, plans 5 story, brick, steel and rein.-con. $350,000. Architect not selected.

Ill., Champaign—Church and Parish House—Methodist Church, c/o C. R. Clark, archt., 105 East Chalmers St., having plans prepared 3 story, 48 x 125 ft., brick, steel, rein.-con., stone and concrete. $150,000.

Ill., Chicago—Apartment and Store—P. F. Olsen, archt., 127 North Dearborn St., preparing plans and soon receives bids 3 story, 120 x 173 ft., rein.-con., brick and steel, Glenwood Ave., for A. B. Shilling, c/o architect. $300,000.

Ill., Chicago—Bank and Office—D. S. Klafter, archt., 64 West Randolph St., preparing plans and soon receives bids 3 story, 100 x 100 ft., rein.-con., brick and steel, Sheridan Rd. and Argyle St. $175,000. Owner's name withheld.

Ill., Chicago—Hotel—H. Emerman, c/o M. Levy & Bro., Adams and Dearborn Sts., plans 141 x 268 ft. rein.-con., brick and steel, Loyola Ave. and Lake Shore, $2,500,000. Architect not selected.

Ill., Elmhurst—Club—Butterfield Country Club, 19th and 52nd Ave., having plans prepared by Michaelson & Rognstad, archts., 3815 West Congress St., 1 and 2 story, 56 x 64 ft., rein.-con., brick and steel, on Canfield Rd., south of Butterfield Rd. $150,000. W. J. Conlon, pres.

Ill., Rock Island—Grade School—Bd. Educ. having plans prepared by Cervin & Horn, archts., Safety Bldg., 2 story, rein.-con., brick, stone and steel, 18th and 27th Sts. $150,000.

Ill., Urbana—Office and Recitation—University of Illinois, c/o W. I. Noble, chn. building com., having plans prepared by C. A. Platt, archt., 101 Park Ave., New York, 3 story, brick, stone and concrete. $500,000. Noted Nov. 3.

Wis., Kenosha—Court House and Jail—Kenosha Co. plans 3 story, brick, concrete and stone, plain foundation. $500,000. R. A. Dowse, Route 1, secy. building com.

Wis., Rhinelander—Hospital—St. Marys Hospital having revised plans prepared by E. Brielmaier & Sons, archts. and engrs., 432 Bway., Milwaukee, 3 story, rein.-con. and brick addition, plain foundation. $150,000.

Minn., Duluth—City Hall—Plans 4 story, rein.-con., brick and steel, 1st St. between 4th and 5th Aves. $1,000,000. J. S. Farrell, comr. Architect not selected.

Minn., Grand Rapids—High School—Bd. Educ. having plans prepared by Holstead & Sullivan, archts., 410 Palladio Bldg., Duluth, for 1st unit, 3 story, rein.-con., brick, tile and stone. $250,000.

Minn., Herman—High School—Bd. Educ. plans 2 story, rein.-con., brick, tile and stone. $150,000. A. H. Morken, clk. Architect not announced.

Minn., Minneapolis—Bank—Federal Reserve Bank of 9th Dist. soon lets contract 4 story, 158 x 160 ft., limestone or granite, 71-75 5th St. S. $750,000. G. Aus, 244 Madison Ave., New York, engr. C. Gilbert, 244 Madison Ave., New York, archt.

Minn., Minneapolis—Cathedral—Scottish Rite Masons, c/o A. F. Pray, member building com., 300 Oneida Bldg., having plans prepared by Bertrand & Chamberlin, archts., 616 Northwestern Bank Bldg., 3 story, rein.-con., brick, tile and stone. Hennepin and Colfax Aves. $350,000.

Minn., Minneapolis—Church and School—First Baptist Church, 10th St. and Harmon Pl., having plans prepared by Long & Thorshov, archts., 1028 Andrus Bldg., 4 (or more) story, rein.-con., brick, tile and stone, 11th St. and Harmon Pl. $400,000. Noted Nov. 17.

Minn., Minneapolis — Office — Western Newspaper Union, 200-3rd St. N., plans 2 to 5 story, 46 x 134 ft., rein.-con., brick, tile and stone, 8th Ave. S. between 3rd and 4th Sts. $150,000. A. L. Westernhagen, mgr. Architect not selected.

Minn., St. Paul — Nurses Home — St. Lukes Hospital, 402 Merchants Natl. Bank Bldg., plans 5 story, rein.-con., brick, tile and stone, Walnut and Sherman Sts. $150,000. Architect not selected. Plans addition to hospital, cost $150,000, not to be built before 1923.

Building Contracts

March 1922	89,648,000
March 1921	56,520,000
March 1920	47,541,000
March 1913	11,223,000

Fifty-eight million dollars more than last month — is any contractor being overlooked?

Neb., Beatrice — Hotel — Stock Company, c/o H. W. Hepperlen, having plans prepared by T. R. Kimball, archt., 836 World Herald Bldg., Omaha, 7 story, brick and rein.-con., plain foundation. $305,000.

Mo., St. Louis—Church—Salen Methodist Episcopal Church, 4305 Page Blvd., having plans prepared by J. H. Lynch, archt., Dolph Bldg., 1 and 2 story, 90 x 112 ft., brick, stone and steel, Kingshighway Blvd. and Cote Brilliante Ave. $150,000. W. Fosler, pastor.

Tex., Waco—Schools—Voted $400,000 bonds for new school buildings and remodeling present structures, to include 2 high schools and 1 ward school. M. W. Scott, 412½ Franklin St., archt.

Col., Denver—Hotel—H. J. Manning, archt., Majestic Bldg., preparing plans and takes bids about May 1, 7 story, 100 x 125 ft., steel and rein.-con., terra cotta or limestone base, 14th and Curtis Sts., for J. Elsner Hotel Co., 14th and Curtis Sts. $500,000.

Col., Denver—Office—T. M. Patterson Estate, Patterson Bldg., takes bids about May 26, 10 story, 100 x 125 ft., rein.-con. and steel, plain foundation, 17th and Welton Sts. $650,000. Montjoy & Frewen, Chamber Commerce Bldg., archts. Steel contract let to Amer. Bridge Co., 1st Natl. Bank Bldg., $55,000, tonnage basis.

Col., Grand Junction—Theatre—Grand Junction Theatre Co. takes bids about April 10, 75 x 150 ft., concrete, steel and brick, plain foundation, Main St. between 6th and 7th Sts. $150,000. Montjoy & Frewen, Chamber Commerce Bldg., Denver, archts.

Wash., Seattle—High School—School Bd. soon receives bids 3 story, 200 x 250 ft., rein.-con. and brick, East 24th and Jefferson Sts. $725,000. F. A. Naramore, Securities Bldg., archt.

Wash., Seattle — Office — Metropolitan Bldg. Co., Henry Bldg., having plans prepared by Howells & Albertson, archts., White Bldg., 5 story, 136 x 177 ft., rein.-con. annex to Stuart Bldg., 5th and University Sts. $400,000.

Cal., Fresno—Bank and Office—Bank of Italy, Powell and Market Sts., San Francisco, having plans prepared by R. L. Felchlin Co., archts., Bank of Italy Bldg., 5 story, rein.-con., here.

Cal., Marysville — Hotel — Corporation composed of Chamber of Commerce and Marysville Businessmen, having plans prepared by Ward & Blohme, archts., 454 California St., San Francisco, 5 story. $250,000.

Cal., Manteca—Schools—Manteca Union High School Dist. soon takes bids three 1 story, rein.-con. and brick. $200,000. Davis-Heller-Pearce Co., Delta Bldg., Stockton, archts.

Cal., Oakland—Church and School—Church of Our Lady of Lourdes having plans prepared by G. E. McCrea, archt., 369 Pine St., San Francisco, church, school and residence, Lakeshore and Prospect Sts. $170,000.

Cal., Pasadena — Auditorium — Election soon to vote on $750,000 bonds constructing auditorium. B. Chamberlain, city clk.

Cal., Riverside—Schools—May 10, to vote on $500,000 bonds for additions and new buildings.

Cal., Sacramento — Bank — Bank of Italy, Powell and Eddy Sts., San Francisco, takes bids about April 15, 1 story, 6th and K Sts., here. $350,000. G. C. Sellon & Co., Mitau Bldg., archt.

Cal., Sacramento—Hospital—Sutter Hospital Assn. having plans prepared by Meyer & Johnson, archts., 742 Market St., San Francisco, 3 story, 160 x 320 ft., rein.-con., L St. between 28th and 29th Sts. $300,000.

Cal., San Francisco—Apartment—W. H. Ratcliff, Jr., archt., 1st Natl. Bank Bldg., Oakland, preparing plans 6 story, brick or concrete. $150,000. Owner's name withheld.

Cal., San Francisco—Bank—San Francisco Savings & Loan Society, 526 California St., having plans prepared by H. A. Schmidt, archt., 251 Kearney St., bank, 526 California St. $200,000.

Cal., San Francisco — Church — Fifth Church of Christ Scientist, 166 Geary St., plans church, O'Farrell St. between Taylor and Jones Sts. $200,000. Architect not selected.

Cal., San Francisco—Home—Emanu-El Sisterhood having plans prepared by J. Morgan, archt., Merchants Exch. Bldg., 3 and 5 story, rein.-con. and brick, Laguna and Page Sts. $150,000.

Cal., San Francisco—School—State having plans prepared by State Dept. Eng., Forum Bldg., Sacramento, for Normal School, Waller St. between Buchanan and Laguna Sts. $1,000,000.

Cal., San Luis Obispo — Hotel — Tripoli Hotel Co. having plans prepared by Eldridge & Jewell, archts., 226 Pacific Finance Bldg., Los Angeles, one 2 story and three 4 story, buildings, 67 x 165 ft., 67 x 135 ft., 51 x 102 ft. and 48 x 75 ft., rein.-con. and brick. $500,000.

Que., St. Lambert — Hall, etc. — Mayor opens bids about April 18, 3 story, concrete, brick and steel town hall and fire station, Argyle Ave. $140,000. C. E. Drinkwater, City Hall, engr.

Cal., Tranquility — School — Tranquility Union High School Dist. having plans prepared by E. J. Kump, archt., Rowell Bldg., Fresno, farm mechanics building, concrete machine shop and addition to administration building.

Ont., Ford City—School—School Bd. having plans prepared by A. H. McPhail, archt., Chatham and Ferry Sts., Windsor, 2 story, 90 x 144 ft. concrete, brick and steel, $150,000.

Ont., Ottawa—Court House—Carleton Co. soon takes bids repairing and building 3 story, 35 x 55 ft. stone addition, Nicholas St. $150,000. C. J. Burritt, 484 King Edward Ave., archt.

Ont., Renfrew—Collegiate—School Bd. plans institute. $200,000. R. McEwen, mayor. Architect not selected.

BIDS DESIRED

Conn., Hartford—Apartment—B. A. Sellew, archt., 721 Main St., receiving bids 3 story, 95 x 146 ft., brick and steel, plain foundation, Park Terrace, for Seligman & Ruffkess, 949 Broad St. $150,000. Noted March 23.

Conn., Hartford—High School—April 18 (change of date) by W. H. Scoville, chn. High School Plant and Bldg. Com., 3 story, rein.-con., brick and steel, Greenfield and Ridgefield Sts. $1,500,000. F. I. Cooper Corp., 33 Cornhill, Boston, archts. R. D.

Buildings (Continued)

Kimball Co., 6 Beacon St., Boston, engrs. Noted March 30.

Conn., Plainfield—High School—April 10 by School Bldg. Comn., 2 story, brick and steel, plain foundation. School Plan Serv. Bureau, 152 West 42nd St., New York, archts.

N. Y., Hornell—High School—April 13 (change of date) by Bd. Educ., brick and stone, brick foundation. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs. Noted March 30.

N. Y., New York—Apartment—Leweiss Constr. Co., c/o J. M. Felson, archt. and engr., 1133 Bway., 5 story, brick, steel and stone, plain foundation, Bailey Ave. $150,000. Work will be done by separate contracts.

N. Y., New York—Apartment—D. Wasser, c/o Shape, Bready & Peterkin, archts. and engrs., 50 East 42nd St., 6 story, brick, steel and stone, plain foundation, Grand Concourse. $185,000. Work will be done by separate contracts.

N. Y., New York—College—April 17, by Manhattan College, 131st St. and Bway., brick, steel and stone addition, Spuyten Duyvil Parkway. $1,000,000. J. W. O'Connor, 162 East 37th St., archt. and engr. Noted July 7.

N. J., Chatham—School—April 24, by Bd. Educ., brick, steel and stone, plain foundation. $191,000. Rasmussen & Wayland, 252 West 46th St., New York, archts. and engrs. Noted March 16.

N. J., Elizabeth—Hall of Records—May 1, by Pres. Bd. Freeholders Union Co., brick, steel and stone, plain foundation. Rahway Ave. $900,000. Oakley & Son, 1259 Clifton Pl., archts. Purdy & Henderson, 45 East 17th St., New York, engrs.

N. J., Freehold—Jail—April 19, by Bd. Freeholders Monmouth Co., altering and building additions to jail. L. Cubberley, 133 Morris Ave., Long Branch, archt.; adv. this issue.

N. J., Newark—School—April 12, by Bd. Educ., City Hall, Broad St., brick, steel and stone, Abington Ave. $250,000. Private plans. Noted Aug. 4.

N. J., Trenton—Kitchen and Dining Room—April 19, by B. G. Lewis, comr. of charities, State House, 2 story, 185 x 214 ft., rein.-con. and brick, at State Hospital for Insane, here. $275,000. A. B. Mills, 142 West State St., archt. Noted Oct. 27.

Pa., Cresson—Chapel—April 8, by Comes, Perry & McMullen, archts., Renshaw Bldg., Pittsburgh, 2 story, 40 x 115 ft. brick, steel and tile, for Mt. Aloysius Academy, Cresson. $150,000.

Pa., Phila.—Apartment—J. S. C. Fernald, archt., 5533 Wyalusing Ave., receiving bids 6 story, 101 x 125 ft. rein.-con., brick, steel and stone, plain foundation, 46th and Walnut Sts., for T. H. Hargest, 501 North 52nd St., $1,000,000.

Pa., Williamsport—Bank—April 22, by J. G. Reading, Room 41, Trust Bldg., 2 story, 42 x 114 ft., limestone marble and stone, West 4th St., for Susquehanna Trust & Deposit Co., West 4th St., $150,000. Simons, Britain & English, 336 4th Ave., Pittsburgh, archts. Noted Feb. 16.

Md., Cumberland—School—April 11 by Bd. Educ., 1 story, 200 x 200 ft., brick and stone, Johnson Heights. $150,000. Holmboe & Pogue, Clarksburg, W. Va., archts.

W. Va., Logan—Schools—April 14, by E. F. Scaggs, supt. Bd. Educ., Logan Co., ten 1 and 2 story, brick and frame schools, incl. high school at Logan. $400,000. R. M. Bates, 1st Natl. Bank Bldg., Huntington, archt. Noted Dec. 8.

O., Darbyville—School—April 24, by Bd. Educ. 2 story, 66 x 108 ft., fireproof construction. $150,000. D. Riebel & Sons, 1st Natl. Bank Bldg., Columbus, archts.

O., New Lebanon—High School—May 3 (change of date), by S. T. Bowman, clk. Johnsville-New Lebanon School Dist., 2 story rein.-con. and brick, Eaton Pike. $200,000. E. S. Mountstephen, U. B. Bldg., Dayton, archt. Noted March 2.

O., New Washington—High School—April 11, by Bd. Educ., 2 story, 102 x 147 ft., brick, steel and concrete. $250,000. J. Kimmerlin, clk. F. Jacobs, 138 East Center St., Marion, archt. Noted March 9.

O., Orange—Grade and High School, etc.—Orange Rural School Dist., c/o T. W. Taylor, Chagrin Falls, taking bids 2 story, brick and steel grade and high school incl. boiler house. $200,000. C. W. Bates, 77 12th St., Wheeling, W. Va., archt.

O., Sebring—High School—April 19, by W. G. Eckles, archt., Lawrence Savings & Trust Bldg., New Castle, Pa., remodeling and 2 story addition, here, for Bd. Educ. $150,000. Noted March 9.

Ind., Marion—High School—April 12 by Bd. Educ., 2 story, 170 x 217 ft., brick, 35th St. east of Carey St. $300,000. H. G. Bowstead, Glass Bldg., archt. Noted Jan. 19.

Ind., Newcastle — Bank — April 10 by McGuire & Shook, archts., 320 Indiana Pythian Bldg., Indianapolis, 2 story, 40 x 15 ft., brick, concrete and stone, for Farmers Natl. Bank. $150,000. Noted Jan. 26.

Ind., Terre Haute—Office and Store—April 11 by Shourds Stoner Co., archts., 511 Tribune Bldg., 2 story, 111 x 141 ft., brick, 6th and Cherry Sts., for D. Deming, First Natl. Bank. $150,000. Noted Jan. 12.

Ill., Chicago—Apartment—W. G. Kreig, archt., 105 North Clark St., receiving bids 3 story, 125 x 600 ft., rein.-con., brick and steel, Austin and Van Buren Sts., $800,000. Owner's name withheld.

Ill., Chicago — Apartment — Monaco & Wright, archts., 721 North Michigan Blvd., receiving bids 3 story, 85 x 120 ft., rein.-con., brick and steel, 3708-14 Sheffield Ave., for A. Peterson, 3714 Sheffield Ave. $150,000. Noted March 16.

Ill., Chicago — Apartment — Rissman & Hirschfield, archts., 139 North Clark St., receiving bids 3 story, 112 x 165 ft., rein.-con., brick and steel, Belmont Ave. near Bway. $250,000. Owner's name withheld. Noted Mar. 30.

Ill., Chicago—Office—Holabird & Roche, archts., 104 South Michigan Blvd., receiving bids 5 story, 100 x 135 ft., rein.-con., brick and steel addition, La Salle and Madison Sts., for L. J. McCormick, c/o architects. $500,000. Noted Dec. 23, 1920.

Ill., Chicago—Store and Office—D. S. Klafter, archt., 64 West Randolph St., receiving bids 5 story, 100 x 125 ft., rein.-con., brick and steel, Halsted and 69th Sts., for J. H. Optner, c/o architect. $250,000. Noted Jan. 26.

Ill., Evanston — School — H. Raeder, archt., 20 West Jackson Blvd., Chicago, receiving bids 2 story, 80 x 186 ft., rein.-con., brick and steel, here, for Bd. Educ. $160,000.

Ill., Geneva—High School—April 20, by Bd. Educ., High School Dist. 149, State and 3rd Sts., 2 story, rein.-con., brick, stone and steel. $150,000. C. W. Bailey, secy. J. W. Royer, Flat Iron Bldg., Urbana, archt. Noted Feb. 23.

Ill., Streator—High School—April 15, by A. L. Pillsbury, archt., Peoples Bank Bldg., Bloomington, 3 story, rein.-con., brick, steel and stone, for Community High School Dist., 202 East Main St. $315,000. R. C. Osborn, pres. Noted Jan. 12.

Wis., Lancaster—Municipal and Theatre—April 25, by Municipal Building Com., 2 story, 40 x 60 ft. and 60 x 100 ft., brick, concrete and tile, plain foundation. Main St. $150,000. Claude & Storck, 8 South Carroll St., Madison, archts.

Wis., Oconomowoc—High School—April 28, by School Bd., 2 story, 68 x 146 ft. concrete, brick and tile, plain foundation. $185,000. Parkinson & Dockendorff, Linker Bldg., LaCrosse, archts. Noted Dec. 29.

Col., Grand Junction—Court House—April 18, at office Mesa Co. Comrs., and also April 17, at office E. Groves, archts., Foster Bldg., Denver, 2 story, 52 x 140 ft., stone and steel, plain foundation. $250,000.

Wash., Seattle—Store and office—April 15 by Lawton & Moldenhour, archts., Alaska Bldg., 7 story, 56 x 108 ft., rein.-con. and brick, 4th and Pike Sts., for Bigelow Bldg. Co., Alaska Bldg. $175,000.

Cal., San Francisco—Store and Loft—G. W. Kelham, archt., Sharon Bldg., receiving bids 8 story, Fremont and Mission Sts., for W. N. Moore & Co., 7 Front St. $150,000.

Ont., Cornwall — Hospital — April 15 by Cornwall Hospital Bd. rein.-con. and brick. $160,000. Millson & Burgess, 209 Sparks St., Ottawa, archts.

CONTRACTS AWARDED

Vt., Lyndon Centre—School—Larson & Wells, archts., Hanover, N. H., 2 story, 60 x 150 ft. and 70 x 95 ft., brick, to H. P. Cummings Constr. Co., Woodsville, N. H., for Lyndon Institute. $150,000. Noted Mar. 9.

Mass., Boston — Mercantile — Monks & Johnson, archts., 99 Chauncy St., 8 story, 75 x 84 ft., rein.-con. and brick, Harrison Ave., to Scully Co., Cambridge, for Barron-Anderson Co., 125 Summer St. $175,000.

Mass., Springfield—Apartment—Gagnier & Angers, 327 Main St., will build 4 story, 90 x 150 ft., brick and steel, plain foundation, Dwight St., by day labor. $150,000. Noted March 23.

R. I., Woonsocket—School—Church of Holy Family, 3 story, 65 x 175 ft., brick and steel, plain foundation, South Main St., to E. Turgeon, 86 Weybosset St., Providence. $150,000.

N. Y., Brooklyn — Apartment — F. F. French Co., 299 Madison Ave., New York, awarded contract for 6 story, brick, steel and stone, plain foundation, Hicks St., here. $300,000. Owner's name withheld.

N. Y., Brooklyn—Apartment—A. Kantor, c/o Cohn Bros., archts. and engrs., 361 Stone Ave., 5 story, brick, steel and stone, plain foundation, Kingston Ave., by day labor. $200,000.

N. Y., Far Rockaway—Hotel—Natl. Housing & Land Development Co., c/o G. and E. Blum, archts. and engrs., 505 5th Ave., New York, 4 story, brick, steel and stone, plain foundation, Bway. and Oak St., here, by day labor. $150,000.

N. Y., Lancaster—School—Bd. Educ. general contract 3 story, modern fireproof construction, Aurora St., to M. Wendel, Buffalo. $180,500. Noted July 14.

N. Y., New York—Apartment—Bardo Realty Co., c/o Moore & Landsedel, archts. and engrs., 148th St. and 3rd Ave., 6 story, brick, steel and stone, plain foundation, Grand Concourse near 182nd St., by day labor. $200,000.

N. Y., New York—Apartment—F. B. Hill, c/o J. M. Felson, archt. and engr., 1133 Bway., 5 story, brick, steel and stone, plain foundation, Topping Ave., by day labor. $150,000.

N. Y., New York—Apartments—F. Johnson, 30 East 42nd St., two 6 story, brick, steel and stone, plain foundations, Southern Blvd., by day labor. $150,000 each. C. Kreymborg, 2534 Marion Ave., archt. and engr. Noted July 14.

N. Y., New York—Apartments—F. Johnson, 30 East 42nd St., two 6 story, brick, steel and stone, plain foundations, Rogers Pl., by day labor. $200,000 each. C. Kreymborg, 2534 Marion Ave., archt. and engr.

N. Y., New York—Apartment—J. Klarmon, c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., 5 story, brick, steel and stone, plain foundation, Grand Concourse and 168th St., by day labor. $200,000.

N. Y., New York — Apartments — J. Kovaks, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., five 5 story, brick, steel and stone, plain foundations, Grand Concourse and Valentine Ave., by day labor. $300,000 each.

N. Y., New York—Apartment—M. H. Building Corp., c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., 5 story, brick, steel and stone, plain foundation, Briggs Ave. near 194th St., by day labor. $150,000.

N. Y., New York—Apartment—M. S. C. Holdings, c/o A. J. Thomas, archt. and engr., 137 East 45th St., 5 story, brick, steel and stone, plain foundation, Morris Ave. and 190th St., by day labor. $150,000.

N. Y., New York—Apartment—J. Wacht, 805 Fairmont Ave., 6 story, brick, steel and stone, plain foundation, Kingsbridge Rd. near Webb Ave., by day labor. $250,000. J. J. Felson, 1133 Bway., archt. and engr.

N. Y., New York—Market—S. B. Steinmetz, 449 East 149th St., 100 x 300 ft., Webster Ave. and 169th St., by day labor. $250,000. E. DeRosa, 110 West 40th St., archt. and engr.

N. Y., Richmond Hill (Jamaica, P. O.)—Bd. Educ., 500 Park Ave., New York, P. S. 54, brick and steel and stone, plain foundation, Hillsdale Ave. and 127th St., here, to G. F. Driscoll Co., 548 Union St., Brooklyn. $252,900. Noted March 30.

N. Y., Schenectady—School—St. Columbus Church, 3 story, concrete, brick and steel, Emmett and Craig Sts., to M. Ryan, Schenectady. $150,000.

N. Y., Syracuse—Club—Bd. Directors Syracuse Boys Club, 410 East Genesee St., 2 story, 66 x 145 ft., rein-con., brick and steel, to Dawson Bros., Gurney Bldg., $144,497. Noted Feb. 2.

Pa., Carnegie—School—Bd. Educ., 2 story addition, to J. G. Fullman Co., E. E. Trust Bldg., Pittsburgh, $150,000. Noted March 9.

Pa., Phila.—Hotel—S. R. Blocksom, c/o L. B. Rothchild, archt., 1217 Sansom St., 15 story, 100 x 158 ft. rein.-con., brick, steel and stone, caisson foundation, Juniper and Locust St., to J. R. Wiggins & Co., Otis Bldg., $3,000,000. Noted March 2.

Va., Norfolk—Bank and Office—Natl. Bank of Commerce, Main St., 13 story, 25 x 120 ft., brick, stone and steel, wood pile foundation, Main St., to E. W. Minter & Co., Citizens Bank Bldg., $323,000. Noted March 16.

Buildings (Continued)

Va., Norfolk—Church—**Third Christian** Church c/o J. W. Manning, chn., 1212 Natl. Bank of Commerce Bldg., 1 story church and 3 story sunday school, 100 x 125 ft., Mt. Airy granite backed with brick, terra cotta, Indiana limestone or all brick. 34th St. and Llewellyn Ave., to H. D. Watts Constr. Co., May and Lovitt Aves. $200,000. Noted Feb. 23.

N. C., Charlotte — Office — Professional Realty Co., c/o L. H. Ashbury, archt., Realty Bldg., 8 story, 75 x 90 ft., brick, concrete, steel and terra cotta, to J. H. Jones Constr. Co., Charlotte, $225,000.

Fla., Orlando — School — Orange Co. School Bd., 3 story, H shaped, concrete, brick and tile, Lake Eola, to J. C. Hanner, Orlando, $164,431. Noted Feb. 9.

Fla., Tampa — Bank — Exchange Natl. Bank, 601 Franklin St., 10 story, 100 x 105 ft. brick, steel and stone, to Stone & Webster, 120 Bway., New York, $700,000. Noted Feb. 2.

Fla., West Palm Beach—Office—Florida Guaranty Corp., 7 story, 56 x 92 ft., rein.-con., brick and tile, Datura and Olive Sts., to Brown & Wilcox, West Palm Beach, $300,000; cost plus basis.

O., Cleveland—Apartments—Euclid-85th Realty Co., c/o F. Riely, 1508 Williamson Bldg., two 3 story, 70 x 90 ft., brick, steel and concrete, Euclid Ave. and East 85th St., to S. W. Emerson Co., 1900 Euclid Ave., $300,000.

O., Cleveland—Store and Office—Euclid-30th Realty Co., c/o E. McGeorge, archt., 1900 Euclid Ave., 4 story, 40 x 180 ft., brick, steel and concrete, Euclid Ave. near East 30th St., to W. Dunbar Co., 8201 Cedar Ave. Noted Dec. 22.

O., Dayton—Apartment—E. E. Urban Co., 1500 Viola Ave., 3 story, 60 x 125 ft., rein.-con., brick and terra cotta, Palmer St., by day labor. $150,000. F. S. Hughes, 406 U. B. Bldg., archt.

O., Greenville — Bank — Second Natl. Bank, 1 story, pressed brick, steel and marble, Bway. and 4th St., to W. F. MacConnell, 308 Builders Exch., Cincinnati, $150,000.

O. Port Clinton—High School—Thayer & Johnson, archts., New Castle, Pa., 3 story, 61 x 125 ft. here, to Watts Suhrbier Co., 1235 Miami St., Toledo, for Bd. Educ. Noted Feb. 23.

Ind., Indianapolis—Office—Medical Arts Realty Co., 822 Hume-Mansur Bldg., 17 story, 100 x 112 x 130 ft., rein.-con., brick and steel to Bedford Stone & Constr. Co., Fletcher Savings & Trust Bldg., $1,225,000, percentage basis. Noted Feb. 9.

Ill., Albany Park—(Chicago P. O.) Apartment—A. V. Teisen, archt., 4804 North Kedzie Ave., Chicago, 3 story, 100 x 123 ft., rein.-con., brick and steel, to Thogerson & Erickson, 4804 North Kedzie Ave., Chicago, for Upper Kedzie Bldg. Corp., c/o architect. Noted Feb. 9.

Ill., Chicago—Apartment—H. Korshak, 139 North Clark St., will do masonry and carpentry work on 3 story, 100 x 125 ft., rein.-con., brick and steel, Springfield and Ainslee Sts. Receiving bids on other contracts. Levy & Klein, 111 West Washington St., archts.

Ill., Chicago—Apartment—A. H. Knox, archt., 7 West Madison St., 3 story, rein.-con., brick and steel, Keystone and Cullom Ave., to J. H. Jensen, 4826 North Keeler Ave., for R. A. Pottinger, 4056 North Kedvale Ave. Noted March 30.

Ill., Chicago—Office—J. S. Miller, 38 South Dearborn St., 21 story, 92 x 123 ft., rein.-con., brick and steel, Plaza St., to Thompson-Starrett, 175 West Jackson Blvd., $2,000,000. Noted July 14.

Ill., Collinsville—High School—Bd. Educ. 2 and 3 story, 168 x 172 ft. rein.-con., brick, steel and stone, to C. Gronau, Collinsville. Noted March 2.

Wis., West De Pere—High School—Bd. Educ. c/o J. Hughes, clk., general contract 2 and 3 story, 60 x 185 ft., brick, rein.-con. and steel, to B. Beauregard, 4th St., De Pere, $93,470. Noted March 16.

Minn., Minneapolis — Apartment — C. F. DeZurik, 626 Plymouth Bldg., general contract 3 story, 110 x 162 ft., rein.-con., brick, tile and stone, 3240 Girard Ave. S., to Carlsted Bros, 542 Builders Exch. Bldg., $275,000.

Mo., St. Louis—Law—Jamieson & Spearl, archts., 800 Security Bldg., 2 story, 54 x 185 ft., granite and steel, to Murch Bros. Constr. Co., Ry. Exch. Bldg., for Washington University, Skinner and Forsythe Rds. Noted March 23.

Mo., St. Louis—Post Office—S. Sinion, 5717 Chestnut St., 1 story, 189 x 331 ft., ordinary construction, Walnut St. near 16th St., to H. O. Hirsch & Co., Wainwright Bldg., Chicago, $150,000.

Mo., St. Louis—Store—L. E. Dorr, 3922 Washington Blvd., 2 story, brick, rein.-con. and terra cotta, DeBaliviere and Waterman Aves., by day labor. P. J. Bradshaw, archt., International Life Bldg., supervises and sublets. $150,000. Noted Dec. 8.

Tex., Highland Park (Dallas P. O.)—School Bd. general contract 2 story, 72 x 189 ft., brick, to Rogers & O'Rourke, Great Southwest Life Bldg., Dallas, $120,700.

Wash., Seattle — Office — Metropolitan Bldg. Co., Henry Bldg., 6 story, 120 x 173 ft., rein.-con. annex, to White & Henry Bldg., 5th and Union Sts., to Grant-Smith & Co., Henry Bldg. $500,000. Noted Feb. 2.

Wash., Seattle—Orphanage—Sisters of Sacred Heart, 4716 50th Ave. N. E., 5 story, brick and concrete, 4716 50th Ave. N. E., to Scherer & Carlson, 111 Pine St. $350,000.

Cal., Berkeley—Hotel—University Hotel Corp., c/o E. L. Harper, 2014 Shattuck Ave., hotel, Hearst Ave. and Euclid St., to Lindgren & Co., Monadnock Bldg., San Francisco, $1,000,000.

Cal., Berkeley—Physics—University of California, 2 story, rein.-con., on University grounds, to I. M. Sommer, Balboa Bldg., San Francisco, $421,448.

Cal., Burlingame — High School — Bd. Trustees San Mateo Union High School Dist., 2 story, rein.-con., general contract to Fink & Schindler Co., 226 13th St., San Francisco, $157,256; heating and ventilating, to J. E. O'Mara, 443 Minna St., San Francisco, $31,486. Noted Mar. 30.

Cal., San Francisco — Office — M. V. Politeo, archt., 1st Natl. Bank Bldg., steel for 6 story, steel, brick and concrete, Sutter and Taylor Sts., to S. Herrick Co., foot of Adeline St., Oakland, for J. S. Morgan. Noted March 30.

Ont., Ottawa—University—Oblat Fathers, Notre Dame St., Hull, Que., 5 story, 50 x 90 ft. rein.-con., brick and stone, Waller St., here, to J. Quinlan, 1165 Greene St., Montreal, Que., $144,000. Bids will soon be called for flooring, plumbing, heating and plastering, cost $36,000.

Ont., Windsor — Exchange — Bell Telephone Co., 423 Goyeau Ave., exchange to Wells & Gray, Pitt St. W., $150,000. Prices wanted on equipment.

Man., Winnipeg—School—School Bd., 2 story, brick and stone, Alverstone, Wellington and Burnell Aves., general contract to Sutherland Constr. Co., Merchants Bank Bldg., $386,800, heating, etc., to Bowyer-Boag Ltd., 45 Olivia St., $68,514, electric wiring to Star Electric Co., 85 Lombard St., $28,500. Noted March 30.

Federal Government Work

PROPOSED WORK

N. Y., New York—Roof—Spec. 4611—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans new roof on Monitor Bldg. 41, here.

Va., Norfolk — Paving — Spec. 4608 — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans concrete paving, here.

Va., Yorktown—Mine Depot, etc.—Spec. 4609—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans mine depot, steel standpipe, etc., here.

Fla., Jacksonville—Dredging—U. S. Engineer rejected bids dredging in Key West Harbor. Noted Feb. 23.

Panama—Oil Storage Tank—Spec. 4607—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans oil storage tank here.

BIDS DESIRED

Mass., Boston — Substation, etc — Spec. 4550—April 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., substation distribution system and first aid station, here. Noted Nov. 17.

N. Y., Amagansett — Radio Quarters — Spec. 4536—April 19, Bureau Yards & Docks, Navy Dept., Wash., D. C., radio quarters and barracks, here. Noted Oct. 27.

Ala., Tuskeegee — Hospital — May 1, by Treas. Dept., Wash., D. C., construction complete incl. mechanical equipment of U. S. Veterans Hospital, incl. officers quarters, administration building, mess hall and nurses quarters, here. J. A. Wetmore, acting superv. archt. Noted Jan. 26.

Cal., San Diego—Distributing System—Spec 4610—April 19, by Bureau Yards & Docks, Navy Dept., Wash., D. C., electric distributing system at Naval Training Station, here.

Cal., San Diego—Roads and Walks—Spec. 4606—April 19, by Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks at hospital, here.

BIDS RECEIVED

Va., Salem—Post Office—Treas. Dept., D. C., U. S. Post Office, complete incl. mechanical equipment, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $50,684; Pearce Bros., New York, $51,860; D. J. Phipps, Roanoke, $59,000. Noted March 9.

CONTRACTS AWARDED

N. Y., Hoffman Island—Buildings, etc.—Treas. Dept., Wash., D. C., remodeling Buildings 1, 2, 3, 4, 8, 13 and 15, construction 2 dormitories, washhouse and kitchen, at U. S. Quarantine Station, here, to M. Serretto, 3 Tremont Row, Boston, Mass., $184,000; mechanical equipment of new buildings, heating, plumbing and wiring systems, etc., in present structures to Noland-Clifford Co., 322 28th St., Newport News, Va., $89,664. Noted March 30.

Md., Hagerstown — Extension — Treas. Dept., Wash., D. C., extension to U. S. Post Office, here, to Duvall & Dietrich, Canton, O., $14,669. Noted March 23.

Ala., Montgomery—Steel Hull—U. S. Engineer, steel hull for pile driver, to Tampa Shipbuilding and Eng. Co., Tampa, Fla., $4,500. Noted March 2.

Federal Government Contracts

March 1922	7,796,000
March 1921	3,590,000
March 1920	1,483,000
March 1913	8,473,000

Heaviest of any month of last two years.

Miss., Vicksburg—Steel Hull—U. S. Engineer, P. O. Box 421, 1 steel maneuver boat hull, to C. Hegewald Co., State St., New Albany, Ind., $6,989. Noted March 9.

Tex., Laredo—Extension to Workroom, etc.—Treas. Dept., Wash., D. C., extension to workroom at U. S. Post Office, here, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $15,582. Noted March 30.

Ariz., Prescott — Boilers, etc. — Treas. Dept., Wash., D. C., 2 new boilers and mechanical changes in cold storage and ice plants, at U. S. Veterans Hospital, Whipple Barracks, here, to F. G. Allin Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $6,147 (90 days). Noted March 9.

Wash., Tatoosh—Operating and Power Building, etc.—Spec. 4574—Bureau Yards & Docks, Navy Dept., Wash., D. C., operating and power buildings, cisterns, walks, water and sewer systems, at naval radio station, here, to B. Ward, 418 Peoples Bank Bldg., Seattle, $14,881 (98 days). Noted March 30.

Ore., Salem—Extension to Workroom, etc.—Treas. Dept., Wash., D. C., extension to workroom and driveway, U. S. Post Office, here, from C. H. Bilderback, Salem, $8,000; F. A. Erixon, Salem, $9,110; G. E. Wright, 1454 Monadnock Bldg., Chicago, $10,400. Noted March 9.

Cal., San Diego—Equipment—Spec. 4587—Bureau Yards & Docks, Navy Dept., Wash., D. C., mess room and kitchen equipment at Training Station, here to Parmelee & Dohrmann Co., 436 South Bway., Los Angeles, $38,484 (65 days). Noted March 9.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits

Applications

277—Eureka Hydro Electric Co., Eureka, Mont.—Wants permit for dam, flume and 2 power houses, on Graves Creek, 9 mi. from here, Eureka Co.

278—Spirit Lake Railway & Power Co., 110 East 12th St., Vancouver, Wash.—Wants permit to develop 2 projects on Toutle and Green Rivers Cowlitz Co.

279—Utah Power & Light Co., Kearns Bldg., Salt Lake City, Utah—Wants permit to develop power of Green River, between Flaming Gorge (in northern Utah) and Rattlesnake Canyon (above Greenriver, Utah) by series of dams and pools, six in all, with power houses at each dam; will also develop all power in Yampa River, between Craig, Col., and its junction with Green River, by series of 4 dams and power houses.

280—F. M. Wilson, 308 Y. M. C. A., Oakland, Cal.—Wants license to divert Willer and Camp Creeks, in Humboldt Co., through flumes to power house and hydraulic mine.

Federal Government Work (Continued)

281—California—Oregon Co., Medford, Ore.—Wants license for 100 mi. transmission line from applicants Prospect power house in southeastern Oregon to Springfield.

282—Idaho Power Co., c/o M. O. Leighton, Natl. Savings and Trust Bldg., Wash., D. C.—Wants license for 4 transmission lines in Idaho, as follows: 115 mi. Thousand Springs to Caldwell; 90 mi. Boise to Malad; 85 mi. Lower Salmon Falls to Swan Falls; 44 mi. Mountain Home to Featherville.

283—E. T. Brown, Newmarket, Va.—Wants permit for 1 power house and 3 dams on Pitt Spring Run and Cub Run.

Miscellaneous

PROPOSED WORK

Park—Weir Village (Taunton P. O.) Mass.—R. M. Leach plans park, incl. pavilion, wading pool and play ground. R. L. Hayward, 18 Crocker Bldg., Taunton, landscape engr.

Grandstand—Elmira, N. Y.—Bd. Supervs. Chemung Co. having plans prepared by H. M. Haskell, archt., Hitt Bldg., concrete and steel grandstand at Chemung Co. fairgrounds, 1,600 seating capacity. $22,000-$25,000.

Transmission Line—Malone, N. Y.—Malone Light & Power Co., 8 East Main St., plans to extend system through towns of Waverly and Dickinson, etc. To exceed $25,000.

Transmission Line — Rockford, Ill. — See "Industrial Work."

Transmission Lines—Rock Island, Ill.—See "Industrial Work."

Park — Washingtons Crossing, N. J., (Taylorsville, Pa. P. O.)—State Park Bd., Trenton, plans memorial park, here. $50,000.

Piers and Docks—Cleveland, O.—Detroit & Cleveland Navigation Co., foot of East 9th St., plans concrete piers and docks, 1 story, 300 x 700 ft. $400,000. D. C. McIntyre, mgr. Private plans.

Arc Lights — Madison, Wis. — Having specifications prepared 30 arc lights and necessary equipment. E. E. Parker, City Hall, engr.

Grain Elevator—Sioux City, Ia.—Farmers Terminal Elevator Co., 611 Grain Exch. Bldg., plans grain elevator, 1,000,000 bu. capacity. Architect not selected.

Turbine Unit—Alexandria, Minn.—Plans to equip electric plant with new turbine unit. $30,000 bonds voted. H. S. Campbell, city clk. C. L. Pillsbury Co., 1200 2nd Ave., Minneapolis, engrs.

Scarifier—New Ulm, Minn.—Soon takes bids for one road scarifier. F. D. Minium, New Ulm, engr.

Grader—Slayton, Minn.—Murray Co. rejected bids opened March 6, 12 ft. blade grader. E. V. O'Brien, co. aud. Noted March 2.

Parks—Pasadena, Cal.—Election soon to vote on $920,500 bonds for parks. B. Chamberlain, city clk.

BIDS DESIRED

Water Valves, etc.—Springfield, Mass.—April 17 by Bd. Water Comrs., water valves and connections. H. M. King, supt.; adv. this issue.

Road Oil—Hartford, Conn.—April 11 by Bd. Contract and Supply, Mayors office, furnishing and delivering 400,000 gal. (more or less) road oil with about 45% ashaltic base and 50,000 gal. (more or less) with about 65% ashaltic base, f.o.b. tank cars Hartford. E. J. McDonough, secy; adv. this issue.

Borings — Brooklyn, N. Y. — April 21 (change of date), borings along line of proposed tunnel across narrows extending from vicinity of 66th St. and 5th Ave. under New York Bay to Manor Rd. and Forest Ave., Richmond. Former bids returned to bidders. Noted March 9.

Pipe—Buffalo, N. Y.—April 17 change of date), by Bureau Pub. Utilities, Dept. Pub. Wks. furnishing about 10,000 ft. 5 3/16-10 in. pipe, to be used in drilling gas wells. G. H. Norton, city engr. Noted March 30.

Sanitary Work, etc.—Central Islip, N. Y.—April 19, by State Hospital Comn., Albany, sanitary work, pumping chamber and equipment for sewer service connections; refrigeration equipment, kitchen, acute building at State Hospital, here. L. F. Pilcher, state archt.; adv. this issue.

Fuel Oil, etc.—New York, N. Y.—April 12, by J. Miller, pres. Manhattan Boro., Municipal Bldg., furnishing and delivering 75,000 gal. fuel oil (to be used for Lutz heaters on resurfacing), and 80,000 gal. gasoline.

Steel Screw Ferry Boats—New York, N. Y.—April 20, by G. A. Whalen, comr. Plant and Structures, Municipal Bldg., building steel screw ferry boats.

Street Sweeping and Cleaning Apparatus—Tonawanda, N. Y.—Taking bids motor driven street sweeping and cleaning apparatus. To exceed $1,000.

Asphalt, Sand, Pipe, etc.—Lansdale, Pa.—April 13, by F. T. Titus, boro. mgr., asphalt, sand, crushed stone, brick cement, sewer pipe, c.i. manhole covers, etc. $10,000.

Cranes—Pittsburgh, Pa.—J. F. Casey Co., Union Arcade, receiving bids for one 5 ton and four 2 ton cranes.

Grain Elevator—Norfolk, Va.—April 26, by C. E. Ashburner, city mgr. Armory Bldg., grain elevator. $650,000. W. H. Cookman, 420 West Price St., Phila., engr. Noted March 16.

Steel Rails, etc.—St. Petersburg, Fla.—April 17, 23,000 lin.ft. steel rails, rail material and various steel tracks. R. E. Ludwig, dir. pub. wks.

Miscellaneous Contracts

March 1922	25,388,000
March 1921	4,231,000
March 1920	15,129,000
March 1913	21,779,000

Six times as much as the month before.

Gravel—Baton Rouge, La.—April 10, by State Hy. Comn., 32,000 cu.yd. gravel for surfacing Columbia-Colfax Highway, Caldwell Parish. J. M. Fourney, state engr.

Structural Steel Work—New Orleans, La.—April 20, by Bd. Comrs. Port of New Orleans, furnishing and erecting structural steel for mezzanine floor in Poydras St. Shed, and removal and replacement of steel doors and siding; adv. this issue.

Trailers—Indianapolis, Ind.—April 20 by Bd. Sanitary Comrs., for all or any part of twelve 1½ ton trailers, $31.25 each and six 2 ton trailers, $32.50 each. J. A. Craven, pres.

Road Oil, etc.—St. Paul, Minn.—April 10, by H. W. Austin, city purch. agt., 750,000 gal. (more or less) road oil, 400 ton limestone dust and 500 ton binder rock for Dept. Pub. Wks.; 20,000 gal. road oil for Dept. of Parks, Playgrounds and Pub. Bldgs. O. Claussen, city engr.

Electrical Improvements—Chanute, Kan.—April 11 by City Commissioners, special street lighting system, 55 posts, one street light panel and constant current transformer, etc., all f.o.b. cars Chanute. F. W. Austin, Chanute, engr.

Tractor—Finley, N. D.—April 24, by Steele Co., one 30-60 hp. tractor. G. J. Mustad, aud.

Granite Paving Blocks—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids March 30, furnishing and delivering 50,000 new granite paving blocks, from J. Meehan & Son, 74 Cortlandt St., $131.75 per M; J. Leopold & Co., Woolworth Bldg., $140. Noted March 23.

BIDS RECEIVED

Tar Road Oil—New York, N. Y.—H. Bruckner, pres. Bronx Boro, opened bids March 29, furnishing and delivering, (1) 100,000 gal. tar road oil, (2) 6,000 cu.yd. asphalt wearing surface sand, (3) 4,000 cu.yd. 1½ in. and 500 cu.yd. ¾ in. broken trap rock stone, 2,000 cu.yd. broken trap rock stone screenings, (4) 20,000 bu. coke, (5) long leaf yellow pine lumber, (6) spruce lumber, cypress, whitewood, white pine, quarter sawn white oak and plain sawn white oak, (7) motor gasoline, (8) white ash anthracite coal, from F. J. Lewis Mfg. Co., 177th St. and Ferris Ave., (1) $0.0884 per gal.; Barrett Co., 40 Rector St., (1) $0.0954; Tar Products Corp., 1270 Bway., (1) $0.109; Colgan & Colgan, 324 Jay St., Brooklyn, (2) $7,500, (3) $21,710; C. W. Crane, 17 Battery Pl., (2) $8,400; New Haven Trap Rock Co., North Branford, Conn., (3) $17,420; Ames Building Material Co., 3437 Kingsbridge Ave., (3) $18,622; W. J. Shea, 100 Bway., (4) $5,000; Stephens Fuel Co., Inc., 220 East 138th St., (4) $5,400, (8) $2,731; J. A. Maloney & Co., 1182 Bway., (5) $1,291, (6) $3,467; E. R. Mill & Lumber Co., (5) $1,340, (6) $3,623; C. E. Gates Co., East River and 152nd St., (5) $1,651, (6) $4,041; Standard Oil Co. of New York, 26 Bway., (7) $1,827; Tidewater Oil Sales Corp., 11 Bway., (7) $1,921; Texas Co., 17 Battery Pl., (7) $2,020; W. J. Howe Co., Harlem River and 157th St., (8) $2,778; Colonial Fuel Corp., (8) $2,792. Noted March 23.

Subway—Rochester, N. Y.—Bd. Contract & Supply, 37 City Hall, opened bids March 29, subway from Court to Oak Sts., Contr 1, from Scott Bros., Arlington Blk., Rome, $1,183,780; Walsh Constr. Co., Herald Bldg., Syracuse, $1,208,909; A. Friederich & Sons Co., 710 Lake Ave., $1,222,970. Noted March 9.

Road Oil—Minneapolis, Minn.—A. P. Erickson, aud. Hennepin Co., opened bids March 27, 250,000 gal. (more or less) asphaltic road oil, from Standard Oil Co. of New Jersey, 3rd and Commercial Sts., St. Paul, $0.0665, Pure Oil Co., 1300 1st St. S., $0.0675, A. L. Hogan, McKnight Bldg., $0.0815; f.o.b. Minneapolis. Noted March 23.

CONTRACTS AWARDED

Ice Fender and Culverts—Cohoes, N. Y.—See "Excavation and Dredging."

Road Roller—Watertown, N. Y.—Bd. Pub. Wks. 10 ton road roller and scarifier, to Buffalo Pitts Steam Roller Co., Buffalo, $5,300. Noted March 9.

Foundation — Norfolk, Va. — Pile and timber foundation, pile trestle, excavation, filling, etc., for proposed grain elevator, to Sanford & Brooks Co., Seaboard Bank Bldg., $92,941. Noted March 30.

Roads Materials — Jacksonville, Fla. — Duval Co., furnishing 20 cars 2 in. crushed granite and 6 cars ¾ in. crushed granite screenings to Carolina Portland Cement Co., 1st and R.R., $3.10 and $3.25 per ton respectively; 1 car tarvia, to Barrett Co., 36th St. and Grays Ferry, Phila., $0.1625 per gal.; 5,000 cu.yd. shell, to G. C. Pease, 130 East 5th St., $1.58 per cu.yd. Noted Feb. 23.

Seawall—Sarasota, Fla.—See "Excavation and Dredging."

Seawall and Fill—West Palm Beach, Fla.—Palm Beach Co. constructing ¼ mi. concrete seawall and filling in 93,000 yd., to D. E. O'Hara, West Palm Beach, $30,000. Noted Dec. 15.

Asphalt Road Oil—Dayton, O.—Comrs. Montgomery Co. furnishing 100,000 gal. asphalt road oil, to E. W. Light, Middletown, $6,980.

Asphalt—Detroit, Mich.—G. J. Finn, comr. Purchases & Supplies, 700 Marquette Bldg., 4,000 ton refined asphalt derived from asphaltic petroleum, to Atlantic Refining Co., Hartman Bldg., Columbus, O., $15 per ton in tank cars, $19 in packages. Noted Feb. 23.

Paving Brick—Detroit, Mich.—For 1,000,000 paving brick, to Peebles Paving Brick Co., New Boston (Portsmouth P. O.), O. $35,500. Noted March 2.

Car Barns—Milwaukee, Wis.—Milwaukee Electric Ry. & Light Co., 2nd and Sycamore Sts., will remodel car barns on Kinnickinnic Ave., by day labor. $25,000. R. H. Pinkley, c/o owner, engr.

Culverts—Sigourney, Ia.—Keokuk Co., 57 culverts, to J. Ritzinger, Sigourney, $29,888.

Road Oil—New Ulm, Minn.—For 100,000 gal. 40-50% asphalt road oil, to Pure Oil Co., 1300 First Ave. S., Minneapolis, $0.0585 per gal. and Barrett Co., 1 19th Ave. S., Minneapolis, $0.108 per gal. tarvia B. Noted Mar. 16.

Automatic Signal, etc.—Minnesota—See Railways.

Graders—Slayton, Minn.—Murray Co. four small graders, 1,700 lb. with 8 ft. blade, to Austin Western Rd. Mchy. Co., 375 Cedar St., St. Paul, $770. Noted March 2.

Portland Cement—St. Paul, Minn.—For 1,400 bbl. portland cement, to Speakes Co., Griggs and Fuller Sts., $2.18 delivered. Noted March 9.

Steel, etc.—St. Paul, Minn.—For 600 sheets 18 gauge 2½ in. corrugated painted steel, 26 x 72 and 1,200 sheets 18 gauge 2½ in., 26 x 108, (about 67,200 lb. in all), to Farwell, Ozmun, Kirk & Co., 2nd and Jackson Sts., $3.65 per 100 lb. Noted Mar. 16.

Grain Elevator — Lindsborg, Kan. — Lindsborg Mill & Elevator Co., rein.-con. elevator, 100,000 bu. capacity, to Eberhardt Constr. Co., Salina.

Tractor—Grand Forks, N. D.—Grand Forks Co., one 12-16 hp. tractor, to Avery Co., 13-17 South 5th St., $1,350. Noted March 2.

Castings and Cement—Ottawa, Ont.—Castings to Victoria Fdry. Co., Booth St., $2.95 per 100 lb.; cement to Dupuis & Sons, 273 Laurier Ave., Hull, Que., $0.96 per 100 lb.